State of California

THE RESOURCES AGENCY

Department of Water Resources

BULLETIN No. 94-11

LAND AND WATER USE IN RUSSIAN RIVER HYDROGRAPHIC UNIT

Volume I: Text

Preliminary Edition

NOVEMBER 1964

HUGO FISHER
Administrator
The Resources Agency

EDMUND G. BROWN
Governor
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FOREWORD

In 1956, the State Legislature declared "that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial uses therein." The Department of Water Resources was, therefore, authorized and directed to conduct such investigations as necessary to compile this information. To do so, the department began its statewide Inventory of Water Resources and Water Requirements as outlined in the authorizing legislation (Water Code Section 232).

For purposes of this inventory, the State has been divided into major hydrographic areas. These areas, in turn, have been subdivided into hydrographic units generally comprising watersheds of individual rivers. Basic data, consisting of land and water use, classification of lands, and streamflow measurements, are collected for each hydrographic unit. To date, this activity has been concentrated mainly in northern watersheds. Results of this inventory will be presented in two series of reports covering (1) land and water use, and (2) water resources and water requirements.

The data on land and water use, together with land classification, are being published as the Bulletin 94 series. Each Bulletin 94 covers one or more of the hydrographic units. This report covers the Russian River Hydrographic Unit. As the data relative to particular hydrographic units are published they become available for general studies and project investigations, not only by the department, but by all other parties concerned with the watersheds covered. When completed, this series of bulletins will provide detailed data for the whole State.

A second series of reports, each covering one or more hydrographic units, will include determinations of the available water resources and future requirements of those areas. The water resources will be determined from the records of older stream gaging stations, and a number of new stations, mainly on smaller streams not previously measured. The determination of water requirements will be based on land use patterns projected for specific points of time. These projections, in turn, will be based on the land and water use and land classification data, such as contained herein, and other available information.

Although the data developed by this inventory are to be used throughout the department's planning activities, they are most urgently needed for the staging of water projects. For this reason, the development of these data and their application to the timing of projects were combined in the Coordinated Statewide Planning Program. Under this program, determinations of the quantities of water available, and the time, place, and magnitude of the future water needs of the entire State are combined in the formulation of a sequence of projects to meet those needs. An interim staging report will be published in 1964-65.

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'ATE OF CALIFORNIA—RESOURCES AGENCY

WILLIAM E. WARNE, *Director*

)EPARTMENT OF WATER RESOURCES

O. BOX 388

\CRAMENTO

August 19, 1964

Honorable Edmund G. Brown, Governor
and Members of the Legislature
of the State of California

Gentlemen:

I have the honor to transmit herewith preliminary report Bulletin No. 94-11, the eleventh of a series of reports of the Department of Water Resources which present detailed basic data relative to land and water use and apparent water rights within certain hydrographic units of the State. This report, entitled, "Land and Water Use in Russian River Hydrographic Unit," presents results of studies conducted pursuant to legislation sponsored by Senator Edwin J. Regan and codified under Section 232 of the Water Code. This series, when complete, will form an invaluable reference of the water resources of the State in relation to the various classes and uses of land resources.

The data contained in this series of reports provide a basis for estimates of the amount of water which originates within each watershed, the amount which can be used beneficially within each area, and the amount of surplus or deficiency, therein. These estimates are being included in the staging of projects to develop most efficiently the water resources of the State.

The data presented in this bulletin will provide a factual basis for decisions of concerned interests regarding the development and use of the water resources of the Russian River Hydrographic Unit. In addition, the bulletin includes notes on the history, natural features, climate and economy of the unit.

All public and private agencies, local interests, and individuals who may be concerned with the information presented herein are invited to submit their comments. A public hearing will be held after due notice to receive comments which will be considered in preparing the final report.

Sincerely yours,

William E. Warne

Director

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

EDMUND G. BROWN, Governor, State of California
HUGO FISHER, Administrator, The Resources Agency
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ACKNOWLEDGEMENT

The Department of Water Resources gratefully acknowledges information contributed by the numerous water users and residents of the Russian River Hydrographic Unit and by various agencies of the federal, state, and local governments.

CHAPTER I. INTRODUCTION

This bulletin presents the results of land and water use and land classification surveys in the Russian River Hydrographic Unit. This hydrographic unit, as subsequently described in detail, includes all of the Russian River drainage area, plus several small coastal drainage areas to the south previously called the Bodega Hydrographic Unit in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California." The data presented include present land and water use, classification of lands, systems used to divert surface water, histories of diversions, apparent water rights pertinent to each diversion, purpose and extent of use of diversions, seasonal quantities of water diverted during 1959, and an estimate of present consumptive use of water in the unit. A general description and a brief history are also included.

These basic data were gathered during the period 1958-60 in compliance with Chapter 61, Statutes of 1956, as amended by Chapter 2025, Statutes of 1959, and codified in Section 232 of the Water Code of the State of California. This legislation provides for an inventory of water resources and water requirements of the State. This is the eleventh of a series of bulletins to be prepared under this authorization. The text of Section 232 of the Water Code, along with a discussion of its history and implications, are included in this bulletin as part of Appendix A.

These data will provide the basis for a future determination of the quantities of water which will be reasonably required for

future beneficial use within the Russian River Hydrographic Unit. Preliminary estimates were made and presented in State Water Resources Board Bulletin No. 2.

The final determinations of these water requirements will be based on estimates of (1) future land use, (2) economic patterns, (3) population, (4) industrial and agricultural development, and (5) recreational needs.

The data presented herein have been reviewed in preliminary form by representatives of Mendocino, Sonoma, and Marin Counties, University of California Agricultural Extension Service, Farm Advisors, and local water users. Changes submitted by these groups have been reviewed in the field and adjustments have been made to the report where warranted.

Organization of Report

This bulletin consists of five chapters, three appendices, and three plates. Chapter I, "Introduction," contains a general description of the Russian River Hydrographic Unit. Chapter II, "Water Use," includes data on surface water diversion systems, related water rights information, measurements of quantities of water diverted, and an analysis of consumptive use and irrigation efficiency. Chapter "Land Use," includes a history of land use within the unit and tables of present land use. Maps prepared in connection with Chapter II and III delineated the areas of present land uses and the location of diversion systems. Chapter IV, "Land Classification," included a tabulation of lands classified with regard to their potential for irrigated

agriculture and for recreational purposes. Maps prepared for this chapter delineate the respective classes of land grouped into several major categories. Chapter V, "Summary," summarizes the report.

Appendix A, "Inventory of Water Resources and Requirements," presents the text of Section 232 of the California Water Code and a discussion of the pertinent responsibilities and work program of the Department of Water Resources. Appendix B, "Reports on Related Investigations and Other References," is a bibliography of publications pertinent to the Russian River Hydrographic Unit. Appendix C, "Legal Consideration," presents a short summary of California Water Law and a tabulation of applications to appropriate water in the unit.

General Description of Area

Location

The Russian River Hydrographic Unit, shown on Plate 1, "Location of Russian River Hydrographic Unit," lies in the North Coast Hydrographic Area and occupies parts of Mendocino, Sonoma, Lake, and Marin Counties. The unit, which contains 1,734 square miles, is drained primarily by the Russian River and its tributaries. Walker Creek, Estero de Americano, Estero de San Antonio, and Salmon Creek, which also drain portions of the unit, flow directly to the Pacific Ocean or Tomales Bay. The Russian River, from its

source in the inner Coast Range, follows a generally southerly course, winding through the farm lands of the valleys between the mountains of the Coast Range. At Rio Dell, the river turns and flows westward the last third of its length through a deep canyon to the Pacific Ocean at Jenner.

The unit is bounded by the Mendocino Coast drainage and the Pacific Ocean on the west, the Eel River drainage on the north, the drainage of Putah and Cache Creeks and the Napa River on the east, and the drainage of Sonoma, Petaluma, and Lagunitas Creeks on the south. The boundaries are shown in detail on Plate 2, "Land and Water Use, Russian River Hydrographic Unit."

For convenience and utility in reporting data, the unit has been subdivided into 13 subunits. General locations of these subunits are shown on Plate 1. The area of each is listed in Table 1.

TABLE 1
AREAS OF SUBUNITS
RUSSIAN RIVER HYDROGRAPHIC UNIT

Subunit	Area in acres	Area in square miles
Forsythe Creek	53,538	83.6
Coyote Valley	67,219	105.0
Upper Russian River	200,748	313.7
Sulphur Creek	52,179	81.5
Middle Russian River	133,384	208.4
Dry Creek	139,016	217.2
Mark West	55,676	87.0
Santa Rosa	50,065	78.2
Laguna	56,653	88.5
Lower Russian River	97,356	152.1
Austin Creek	44,676	69.8
Bodega	96,330	150.5
Walker Creek	63,213	98.8
	1,110,053	1,734.3

Historical Development

The Russian River Hydrographic Unit has approximately 17 miles of coastline, which extends northward from Tomales Point to Jenner. In October 1775, Lieutenant Juan Francisco de la Bodega y Quadra, in the Spanish ship "Sonora," was the first explorer to land on this particular coast. Bodega carefully explored the area and named the bay after himself, thus claiming the area for Spain.

In 1793, a British ship anchored at Bodega Bay. The Spanish rolled four guns from Monterey to Bodega Bay to keep the intruders off Spanish claimed land. The British did not return, and the guns were returned to Monterey.

Ivan A. Kuskof, a Russian, landed at Bodega Bay in 1811, to establish a colony for agriculture, fur hunting, and trading to supply the Alaskan settlement. The settlement, which was completed in 1812, was built on a strip of coast land 18 miles north of Bodega Bay and was dedicated as Fort Ross. The group had ranches for the raising of livestock along the Russian River and at Bodega Bay. The colony proved to be unprofitable, and the group departed in 1841.

The valleys which comprise most of the irrigable lands within the unit lie between Ukiah and Santa Rosa. The stream draining the valleys was first named by Mr. Kuskof, who called it Slavianka, meaning Russian or Slav, thence its present name, the Russian River.

The Russians were in the area for only a very short time. The Spanish and Mexican influence was slight, as these people had

little interest in developing the area. The northernmost Spanish settlement in California was Sonoma, southeast of the unit.

Americans took over the Spanish claims in 1846, and settlement and development of the area began in earnest. Development of the area was partially due to the abundant natural resources. Early explorers hunted and trapped the plentiful game. Later, settlers tilled the fertile soil and grazed livestock. Lumber mill operations contributed much to the development of the area. Significant mining operations for sand and gravel are conducted along the Russian River.

Other factors contributing to the development of the area were the mild climate, the abundant supply of water, and the proximity to San Francisco, Ukiah being a two-day stagecoach ride from San Francisco.

The first agricultural development in the valley area occurred about 1860 with the production of grain and hay for local use. Construction of the Northern Pacific Railroad to Ukiah in 1889 provided access to markets, and by the turn of the century, most of the better agricultural land close to the Russian River had been developed. Many vineyards were planted where irrigation was not practical.

Urban Centers

The City of Santa Rosa, largest city in the unit and county seat of Sonoma County, was first settled in 1852. Since that time, it has grown steadily and had an estimated population of 31,027 in

1960, a 73.3 percent increase over 1950. Santa Rosa is the major trading center for Sonoma County, with wholesale sales of $28.4 million and retail sales of $67.7 million in 1954. Fifty manufacturing plants employing 758 workers and manufacturing goods valued at $5.5 million are located in Santa Rosa. Manufacturing includes food processing and the production of apparel, shoes, food, and chemical processing machinery. Santa Rosa Junior College and a campus of San Francisco State College are located there. A major tourist attraction is the Luther Burbank Gardens.

Ukiah is the second largest city in the area. The first residents arrived during the period from 1851 to 1857. It was estimated that there were 100 people living in Ukiah when it was made the county seat of Mendocino County in 1859. The population of Ukiah has increased from 2,305 in 1920, 3,731 in 1940, 6,120 in 1950, to 9,900 in 1960. Retail sales in 1954 amounted to $22.6 million, and wholesale sales were $10.6 million. Manufacturing activity consists of a large hardboard factory and various lumbering establishments. The city lies in the center of an important agricultural area which produces pears, hops, prunes, and grapes as well as forage and pasture for livestock.

Healdsburg, north of Santa Rosa, had a population of 4,800 in 1960. The community is a business center of the Russian River area and had a retail sales of $10.4 million in 1954. Its manufacturing plants include wineries, sawmills, wood products, and food processing plants. Extending from Healdsburg along the banks of the Russian River to the coast are a number of small summer

resort communities which have stands of redwoods and river beaches. Largest of these communities is Guerneville at the entrance to Armstrong Redwoods State Park. Others are Monte Rio, Camp Meeker, Occidental, Rio Nido, Forestville, Rio Dell, Duncan Mills, Guernewood, Cazadero, and Jenner.

Geyserville, north of Healdsburg, is in vineyard and timber country and is a business center for the geyser resort area. Cloverdale, further north, is a lumbering and agricultural community and home of an annual Citrus Fair.

Sebastopol, to the west of Santa Rosa, is in a rich agricultural area famous for its apples. Industries include canneries and other food processing plants, a thermography printing establishment and manufacturers of farm implements and furnaces. The volume of retail trade in 1954 was $10,100,000.

Potter Valley, 13 miles north of Ukiah, was settled in August of 1853 by the Potter brothers. The first importation of water from outside the unit occurred in 1908 when the Snow Mountain Water and Power Company diverted water from the South Fork of the Eel River at Van Arsdale Diversion Dam through a transmountain tunnel to a powerhouse in Potter Valley. After being used to generate power, the water was discharged into the East Fork of the Russian River. The Pacific Gas and Electric Company acquired the system and, in 1922, constructed Scott Dam on the South Fork of the Eel River a short distance upstream from Van Arsdale Dam. Diversion of the stored water from Lake Pillsbury formed by the dam greatly stabilized and increased the flow in the East Fork of

the Russian River. In 1950, the capacity of the tunnel for the Eel River diversion was increased to about 350 cubic feet per second.

The principal communities in the Bodega and Walker Creek subunits are Bodega, Valley Ford, and Tomales, none of which have a present population in excess of 1,000.

Industry

The main industries in the unit are recreation and lumber. There are many summer resorts and cottages along the lower 25 miles of the Russian River. The combination of a warm summer, cool water, and tall redwoods are ideal for boating, swimming, and fishing. Facilities for camping, hunting, and fishing are also available and widely used in the unit.

The mineral springs in the hydrographic unit are numerous and variable as to mineral content. The hot waters and steam vents found in the Geyserville area are widely known. The Pacific Gas and Electric 24,000 kilowatt generating plant in this area is fueled by geo-thermal steam. Carbonated mineral springs are found in the vicinity of Ukiah and Hopland and some have been developed into resorts. The recreation facilities at Lake Mendocino and the proposed Lake Sonoma on Dry Creek will attract more and more people in the future.

Lumbering and manufacturing of lumber products and by-products is the largest producing industry in the unit. The processing of dairy, agricultural, and marine fishery products are also important industries in the unit.

Other industries in the area include mining mercury, sand and gravel, and miscellaneous stone, fabricating specialized electrical machinery, boats and furniture, and manufacturing clothing, leather goods, and concrete pipe.

Transportation

The Northwestern Pacific Railroad parallels the north-south reach of the Russian River, connecting Ukiah, Cloverdale, Healdsburg, and Santa Rosa, with the Bay Area to the south and Eureka to the north.

The principal highway arterial is the Redwood Highway, U. S. 101, which also parallels the north-south reach of the Russian River. Portions of Highway 101 have been converted into a four-lane divided highway. State Highway 12 connects Santa Rosa and Sebastopol with the resort communities along the Lower Russian River. State Highway 1 traverses the coast and connects Jenner, Bodega, and Tomales with the Bay area. Numerous county roads interconnect the lesser communities. Santa Rosa and Ukiah are served by Pacific Airlines' scheduled commercial flights.

Climate

The climate of the Russian River Hydrographic Unit is characterized by cold rainy winters and dry hot summers, with the summer heat tempered by the ocean near the coast. The mean annual precipitation for the unit is 44 inches. The unit has a well established climatology station network. There are 43 stations, several

with records that date back to 1877. Climatic data for 6 of these stations having records for both precipitation and temperature beginning prior to 1930 are presented in Table 2.

The rainy season extends from October through May, and the growing season begins in April and ends in October. June has a slight amount of rainfall, less than one inch, while July, August, and September are virtually dry. The wettest months are December and January, with December rainfall averaging over eight inches. Rainfall distribution in the valley area generally varies from 40 inches in the main part to a low of 30 inches in the extreme southern portion. With increase in elevation, the precipitation increases and averages 50 inches in the foothills and mountains surrounding the valley. The highest intensity of rainfall occurs in the Mayacmas Mountains. In parts of this area, between Cobb Mountain and Mt. St. Helena, the annual precipitation is 80 inches. Cobb Mountain has an elevation of 4,722 feet above mean sea level. At this elevation, the highest in the unit, and at lower elevations in the mountain ranges surrounding the valley, modest amounts of precipitation occur as snow. An annual precipitation of 60 to 70 inches occurs in several other mountain areas in the unit.

The mean annual temperature in the valley areas is 58°F, ranging from a mean of 47°F for January to a mean of 80°F for July. As can be expected, the portion of the unit nearest the coast has a mean annual temperature 5°F cooler than the interior.

TABLE 2
CLIMATIC DATA AT SELECTED STATIONS IN OR NEAR
RUSSIAN RIVER HYDROGRAPHIC UNIT

Station	Elevation	Mean Annual precipitation in inches[a/]	Mean Annual temperatures in °F[b/]		Extreme temperatures in °F		Average frost-free period (in days)	Period of record
			min.	max.	min.	max.		
Potter Valley Powerhouse	1,014	42.07[c/]	-	-	14	111	-	1911-1959
Ukiah	623	35.54	42.4	73.9	12	114	-	1877-1959
Cloverdale	360	38.23	45.6	74.0	19	113	263	1877-1959
Healdsburg	101	38.61	43.8	73.8	17	116	-	1877-1959
Graton	210	39.50	42.4	70.6	17	111	-	1896-1959
Santa Rosa	167	28.92	42.4	71.4	15	112	206	1888-1959

a/ Based on 1905-55 period of record
b/ Based on total period of record
c/ Based on 1911-55 period of record

The coastal area also has fewer fluctuations from the mean. The temperatures presented in Table 2 are the arithmetic means of the daily minimum and maximum temperatures and the extreme minimum and maximum temperatures in degrees Fahrenheit for the indicated period of record. The length of average frost-free period in Table 2 for two representative stations represents the average period, in days, between the last day in spring and the first day in fall when the minimum daily temperature falls below 32°F.

Physical Features

The hydrographic unit lies in portions of four counties; namely, Mendocino, Sonoma, Lake, and Marin. It is approximately 140 miles long, originating in the southeastern portion of Mendocino County and extending southward through eastern Sonoma County and into northwestern Marin County. It covers the greater portion of Sonoma County, the southeast corner of Mendocino County, and small portions of Marin and Lake Counties. All of the unit lies within the Coast Range and parts are typical of many of the inland coastal valleys of California. The general topography of the unit is hilly and mountainous with comparatively narrow valleys where most of the intensive agriculture is to be found.

The unit is drained principally by the Russian River and its tributaries and by several coastal streams, including Walker Creek. The subunits from north to south are: Forsythe Creek, Coyote Valley, Upper Russian River, Sulphur Creek, Middle Russian River, Dry Creek, Mark West, Santa Rosa, Laguna, Lower Russian River,

Austin Creek, Bodega, and Walker Creek. The drainage of the Bodega and Walker Creek subunits is directly to the Pacific Ocean or Tomales Bay. The other 11 subunits drain into or toward the Russian River which rises about 16 miles north of Ukiah and flows southward for about 90 miles through alluvial valleys and mountain gorges to Rio Dell where it turns abruptly westward and flows to the Pacific Ocean.

The immediate coastal area extending from Marshall to Jenner consists of a series of rolling hills occuring at various elevations ranging up to 500 feet and dissected by a number of streams which drain directly into the Pacific Ocean or Tomales Bay. The rolling topography extends from the coast to Petaluma and northward along the west side of Cotati Valley to Sebastopol. Because of the cool ocean climate, this area is limited to certain crops tolerant of this cool climate. The mountainous land close to the coastal area is heavily forested with stands of fir and redwood. A few of the higher ridge tops are grass covered or have been cleared and are used mainly for grazing sheep and some cattle.

Proceeding inland, the climate becomes warmer; and the range of crop adaptability is greater. Orchards of prunes and pears are extensively cultivated on the bottom lands, and large acreages of grapes are grown on the more elevated terraces adjacent to the stream flood plains. The uppermost portion of the watershed occurring in Mendocino County is farthest from the ocean and is climatically isolated from the ocean by an extensive range of

mountains. By overall comparison, the acreage of rough mountainous land covered by brush and timber is far greater than the alluvial valley areas along the Russian River. The valleys through which the Russian River flows are narrow, each having a series of flood plain steps leading to the older and higher terraces farther from the river.

Most of the mountainous area is composed of sandstone, shale, greenstone, and chert, erosion of which has provided sediments for the formation of the alluvial stream terraces and flood plains along the Russian River. A few areas of volcanics occur in the mountains east of the Russian River and along the Napa County-Sonoma County line.

Characteristics of most of the soils in this unit may be reviewed in "Soil Series of California, Formation and Characteristics, Key for Identification, Pedological Classification, 1953," by R. Earl Storie and Walter W. Weir, National Press, Palo Alto, California.

Forsythe Creek Subunit

The Forsythe Creek subunit is in the northwestern corner of the hydrographic unit and entirely within Mendocino County. The main populated area in the subunit is Redwood Valley, about 10 miles north of Ukiah. The floor of the valley is at an elevation of about 700 feet and is surrounded by rough mountainous land. Most of the soils of the valley are developed on old alluvial terraces and are shallow and gravelly. The acreage of deep, recent alluvial flood plain soils, such as those found further south, is limited.

The valley portion is apparently being developed as a suburban area and contains numerous small ranches from 2 to 10 acres in size. It is drained by the main branch of the Russian River. Forsythe Creek and its tributaries drains the watersheds in the western portion of the unit.

Coyote Valley Subunit

The Coyote Valley Subunit lies in the northeastern corner of the hydrographic unit and is almost entirely within Mendocino County. Most of the subunit is rough and mountainous, but the major agricultural center of Potter Valley has fertile soils capable of growing orchards and other intensively farmed crops. Potter Valley, 12 miles northeast of Ukiah at the head of the East Fork of the Russian River, is an elongated valley with a northwest-southeast length of about 7 miles, an average width of 1-3/4 miles, and contains about 12 square miles of alluvial deposits. It is surrounded by essentially impermeable bedrock. The East Fork of the Russian River flows from Potter Valley to Lake Mendocino through a narrow canyon about 4 miles long. The altitude of the valley floor ranges from 900 to 1,000 feet; the adjacent mountains rise to an altitude of about 2,000 feet on the west and to about 3,000 feet on the east.

Upper Russian River Subunit

This subunit contains the Ukiah and Sanel Valleys and is almost entirely within Mendocino County. Climate, soils, and general

City of Ukiah

Lumber Yard at Calpella

topography are similar to those in the Middle Russian River subunit. The area is drained by the Russian River and a number of small tributaries to the Russian River, including the Mill Creek, Morrison Creek, Robinson Creek, York Creek, Dooley Creek, and others. The largest urban area is the City of Ukiah. Some of the smaller communities of the subunit are Talmage and Hopland.

The valley soils in this area are excellent. They are deep and fertile and suitable for any type of agriculture climatically adaptable. Major crops are prunes, pears, and alfalfa. Some vineyards and grain crops are cultivated on the higher alluvial terraces which have restrictive depth limitations. The mountains to the east are rough topographically, have shallow soils, and a cover of brush. The western mountains are largely forested.

The principal alluvial plain of the subunit is in Ukiah Valley and is about 8 miles long and averages about 2 miles wide. The altitude of the valley floor ranges from about 500 feet at the south end and about 600 feet in the vicinity of Ukiah.

Sanel Valley, also known as Hopland Valley, lies along the Russian River and the lower parts of two large tributaries, Feliz and McDowell Creeks. McDowell Valley is 3 miles east of Hopland. The Sanel Valley is about 10 miles north of and connected to Cloverdale Valley by a narrow canyon through which the Russian River flows. Alluvial deposits in Sanel and McDowell Valleys cover areas of about 11-1/2 and 2 square miles, respectively.

Sulphur Creek Subunit

The Sulphur Creek Subunit is limited in extent. The Mendocino-Sonoma County boundary runs through the northern portion of the subunit. The area is dominated by rough land suited only to a limited extent for grazing. Big Sulphur Creek, which drains the area, originates near The Geysers, an area of natural hot water springs and geysers.

Middle Russian River Subunit

This subunit lies northeast of Healdsburg in the northeastern portion of Sonoma County. Major communities in the subunit are Jimtown, Lytton, Geyserville, and Cloverdale. The major agricultural area is Alexander Valley, which contains about 20 square miles of level land, extending 14 miles along the Russian River, and 1 to 3 miles in width. The valley contains fertile, deep alluvial soils which are excellent for growing prunes and pears. Soil series in this group are Yolo, Cortina, and Zamora.

Cloverdale Valley is northwest of and on the same structural trend as Alexander Valley. The alluvial deposits of the two valleys are continuous, but subsurface flow between the two valleys is restricte in the canyon section connecting the two valleys. Cloverdale Valley consists of a flood plain about 6 miles long and 3/4 of a mile wide. The valley is bounded by older alluvial terraces and bedrock on the southwestern side and by bedrock on the northern, northwestern, and southern sides. A small area of high alluvial terrace south of Alexander Valley in Knights Valley is drained by Foot, Maacama, and Redwood Creeks. The soils are somewhat shallow in this area and the land is best suited for pasture and small grains.

The Middle Russian River subunit has an areal extent of 208 square miles and contains a number of smaller alluvial valleys, many of which are fertile and are used intensively for farming.

Dry Creek Subunit

The watershed of Dry Creek produces the greatest runoff of the tributaries to the Russian River. The subunit is west of Cloverdale and Geyserville. The only city in the subunit is Healdsburg, located at the lower end of the narrow canyon connecting the Middle Russian River subunit to the Lower Russian River subunit. The valley containing Dry Creek contains about 8 square miles of alluvium, is about 10 miles long and 1 mile wide. The area adjacent to the valley is rough, mountainous and heavily forested. The valley contains a large percentage of recent alluvial flood plain soils such as the Botella, Soquel, Pajaro, and Yolo series. The area is intensively farmed to acreages of prunes and walnuts. The extensive forest soils are the Hugo and Josephine series, and to lesser extent Mendocino, Caspar and Melborne series.

Mark West Subunit

This subunit, which is entirely within Sonoma County, is located north of the Santa Rosa area and is bounded on the east by the Napa County line. It is composed of rough, mountainous land in the eastern portion and alluvial flood plains and older terraces in the western portion. The farmed valley area is made up of a number of alluvial terraces. Most of the agriculture is centered around the main communities of Windsor and East Windsor. The soils which occur in this area are the San Ysidro, the Huichica (which is near

Windsor and is a planosol), and the Wright series (also a planosol). Some of the better agricultural soils supporting deep-rooted orchards of prunes and walnuts are the Pajaro, Yolo and Yolo-like soils, Cortina, and Zamora series. There is a small area of Goldridge soils in the area of Vinehill School which is used principally for growing apples and is similar to the areas in and about Sebastopol and Graton. The area is drained in the north by Windsor Creek, which runs into Mark West Creek and then into the Russian River.

Santa Rosa Subunit

The Santa Rosa subunit, which lies south of Mark West area, northeast of the Laguna area, and along the Sonoma-Napa County line, is composed mostly of rough mountainous land in the east portion and more level land in the west. The subunit contains most of the City of Santa Rosa, which is located on the more level land occurring in this area. The rough land is grass and brush covered with a scattering of conifers and broad-leaf tree species. Soils covering the mountainous portion were derived mainly from volcanic rock. Alluvial flood plains which formed to the west range considerably in age. Some soils on older terraces such as the Rincon series, which lies east of Santa Rosa, the Huichica series, and the Wright series, are well developed and have claypans restrictive to plant roots and to moisture penetration. Some of the more recent soils such as the Yolo and Cortina series occur adjacent to the drainages. Much of the soil has a reddish cast, received from the reddish residual parent material in the mountains to the east from

which the alluvium was derived. Some of the better agricultural soils lying north of Santa Rosa, along Santa Rosa Creek, and which support orchards, appear to resemble Yolo, Botella, and Soquel series. They are brown, gray or dark brown, and dark reddish brown and occur on nearly level topography.

Laguna Subunit

The Laguna subunit is south of Santa Rosa, north of Cotati, and east of Sebastopol, the major city. Most of the topography is level or gently rolling. The drainage out of the area by way of Laguna de Santa Rosa is restricted due to a very flat gradient. The soils between Santa Rosa and Cotati are mainly basin types similar to the Clear Lake series. To the north, there are a number of terrace soils found at different elevations; namely, the San Ysidro, Huichica, and the Wright series, each of which has a dense claypan. These soils are used principally for pasture. There are some high marine terraces in the vicinity of Sebastopol which have a special adaptability for growing apples. These terraces are overlain by soils of the Goldridge and Sebastopol series. The subunit contains some mountainous land east of Cotati, which is a continuation of the same volcanic range which traverses the Santa Rosa area.

The basin soils of the area are characterized by very heavy textures and dark surface colors. They are fertile, but must be managed carefully because of water table problems which frequently occur as a result of winter rains accompanied by slow surface drainage. The claypans north and west of the basin areas have lighter surfaces and coarser textures. However, they are very restrictive to root penetration because of the tight subsoil.

Lower Russian River Subunit

This subunit contains approximately equal areas of two kinds of land: forested mountains in the west, and alluvial terraces and flood plains in the upper reaches to the east. It is bounded roughly by a line connecting the towns of Sebastopol and Healdsburg on the east, the Bodega subunit on the south, the Dry Creek subunit on the north and the Pacific Ocean on the west. The lower portion is forested with the portion along the Russian River being used almost exclusively for recreational purposes. The east portion contains some very excellent soils such as the Yolo, Cortina, and other deep alluvials, and a large area of Goldridge and Sebastopol soils on which apples are grown. Apples grow well in this area which includes the communities of Pleasant Hill, Spring Hill, Graton, Manzanita, Forestville, and Mirabell Heights, and is approximately 12 miles long and 3 to 4 miles wide. Immediately south of Healdsburg, a large alluvial flood plain of approximately 10 square miles contains excellent soils upon which prunes, pears, and walnuts are grown.

The lower portion of the Russian River is in a 21-mile long narrow canyon that extends from the mouth of the river, near Jenner, its confluence with Mark West Creek near Rio Dell. The canyon ranges in width from about 0.15 to 0.50 mile and has an average width of slightly more than 0.25 mile. It contains a flood plain of alluvium, which locally is bordered by remnants of older stream terraces. The altitude of the flood plain ranges from near sea level at the river mouth to about 50 feet at Rio Dell. The

adjacent uplands rise steeply from both sides of the valley floor to altitudes of 500 to 1,000 feet. Tidal effects in the river extend upstream about 10 miles to the vicinity of Monte Rio.

Austin Creek Subunit

The subunit is a small watershed draining into the Russian River a short distance from the outlet to the ocean. The area is used primarily for recreational purposes and is devoid of cultivated agriculture.

The subunit has numerous summer homes and cabins but has additional space for more concentrated development. In general, it is scenic and highly desirable for recreational purposes. The permanent population is small, but the summer population becomes relatively high.

The subunit is in a belt of high rainfall favorable for the growth of redwood and fir. Several logging and lumber companies are presently operating. The upper reaches and high ridges of the watershed are used for grazing sheep and cattle.

The major community is Cazadero, located approximately 7 miles from the confluence of Austin Creek with the Russian River. Austin Dell and a few other small residential development and encampments are located at various distances between the Russian River and Cazadero.

Bodega Subunit

This subunit, located west of the City of Petaluma, is bounded by the Russian River watershed on the north and the Walker Creek subunit on the south. The western boundary of the subunit

View of Rio Nido

Mouth of Russian River at Jenner

is the Pacific Ocean and as a result, cool temperatures are maintained. Fogs are frequent during the summer months. Most of the subunit is in Sonoma County with the balance being in Marin County. The area is characterized by rolling hills and small valleys which are often quite wet and subject to high water tables. The north part of the subunit is more mountainous. The upland soils here are the Hugo and Josephine and other forest associated series of lesser extent, derived from sandstone and shale. Conifers dominate this portion of the subunit. Generally, the subunit produces good pasture and dairies are numerous. In the north, Willow Creek drains into the Russian River near Birchaven. A number of other small coastal drainages flow directly into the ocean. The major portion of the area is composed of a series of dissected, rolling marine terraces along the coast which extend inland in some places. The soils (inland) on these terraces are Steinbeck and Cotati. The Steinbeck is a prairie soil free of claypan and occurs on rolling topography. Cotati is a claypan, lighter in color, and is found further from the ocean. The terraces occur to elevations of 500 feet and resemble other marine terraces similarly situated along the coast. The bench soils adjacent to the ocean have been classified as Rhonerville and Kneeland. They are like the Tierra and Watsonville soils in San Mateo County and generally have a dense claypan at approximately 18 inches. Some dark recent alluvial soils in the area of Valley Ford have been identified as the Blucher series. They are derived from sedimentary rock alluvium, are deep and dark colored, and are generally classed as prairie wiesenbodens, indicating an associated wetness problem.

Walker Creek Subunit

The Walker Creek Subunit is a small area lying almost entirely in Marin County, south of the Bodega Subunit. The western part of the subunit fronts on Tomales Bay and extends approximately from Point Reyes Station to Tomales. Some dairying takes place in this area. The eastern portion of the subunit is rough and mountainous and supports scattered brush with some broad leaf and conifer trees. The western portion, in the vicinity of Marshall, is composed of rolling, dissected marine terraces. Most of the coastal area has gently rolling topography with soils derived from old consolidated materials which are predominately of marine origin. The soils are typically prairie-like with dark colors and medium textures.

Water Resources

The water resources of the Russian River Hydrographic Unit are derived almost entirely from rainfall. Snowfall contributes a relatively small amount to stream flow in the unit.

A record of flow in the Russian River from 1939-60 is available for the stream gaging station designated as Russian River near Guerneville. This station is located approximately 5 miles upstream from the community of Guerneville and measures the runoff for about 80 percent of the hydrographic unit. Pertinent information obtained from records at this station is summarized in Table 3 to indicate the general runoff characteristics of the unit.

On the average, 93 percent of the seasonal runoff at this station occurs in a 5-month period beginning in December and ending in April. The runoff maximum month of runoff recorded in December 1955, exceeded the total annual flow in 9 years of record. The minimum flows during the dry summer months are maintained by a fairly constant discharge from Coyote Dam.

TABLE 3
RECORDED RUNOFF
RUSSIAN RIVER NEAR GUERNEVILLE

	Acre-feet	Percent of average*	Cubic feet per second
Average runoff for period of record, 1939-40 through 1959-60	1,623,000	100	2,242
Runoff in minimum year of record, 1939-40	523,000	32	722
Runoff in maximum year of record, 1958-59	3,269,000	201	4,516
Maximum instantaneous flow of record, December 23, 1955	-	-	90,000
Minimum instantaneous flow of record, July 4, 1950	-	-	57

* For period 1939-40 through 1959-60

Three local public agencies are concerned with water development in the Russian River Hydrographic Unit. One of them, the Sonoma County Flood Control and Water Conservation District, was formed for the purpose of promoting flood control and water conservation and utilizing the services of the federal agencies to the maximum extent possible. The district has constructed a pumping plant on the Russian River just above the Wohler Bridge which transports water cross-country via an aqueduct to Santa Rosa, Petaluma, and Sonoma. This pumping station and aqueduct with extensions will provide a municipal supply of water for

several other cities in the future. The district also maintains a recreation dam at Healdsburg which washes out with the winter waters and is reconstructed each spring.

A second local public agency involved in water development in the unit is the Mendocino County Russian River Flood Control and Water Conservation Improvement District. Coyote Dam was constructed by the Army Corps of Engineers as a part of the Russian River project, with the district as an active participant of the project. The construction of Coyote Dam was a considerable benefit to agriculture and recreation within the unit.

A third agency, Marin County, also has an interest in development of the Russian River water resources as the county will receive water through the aqueducts from the Wohler pumping plant.

Potter Valley Diversion

Typical Pump Diversion

CHAPTER II - WATER USE

Present water requirements in the Russian River Hydrographic Unit are met by diversions of surface water and pumping of stream underflow and ground water. For this investigation, a survey was made of the systems established for the diversion of surface water. Survey data reported herein include locations and descriptions of diversions, uses, amounts of water diverted, and information on apparent water rights relating to diversions.

Diversions of water for all purposes during 1959 are reported, except that those involving less than approximately 10 acre-feet per season, such as individual domestic users, are omitted. The measured diversion quantities do not necessarily represent average diversions, since during any single year the quantity will be influenced by precipitation during the growing season and by stream flows. Considerations other than available water supply, such as economic factors may also affect the relation of any diversion record to typical operating conditions. No attempt was made herein to assess these factors. The diversion quantities reported herein generally represent the actual amounts of water taken from the respective sources, and therefore include recoverable and irrecoverable losses incidental to primary use.

The location of water wells and the measurement of their production were not covered in this investigation. Therefore, the

overall unit use of water cannot be determined from data shown in this report. Location, owner, amount of delivered water and number of services for urban water service in the unit are shown in Table 4. The sources of most of the urban water are wells which are located adjacent or near the Russian River and its tributaries. Rural domestic uses are supplied by individual domestic wells and diversions of surface water.

TABLE 4
URBAN WATER SERVICE IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location	Company or owner	Estimated annual delivery, acre-feet	Estimated number of services
Ukiah	City of Ukiah	2,400	3,012
Ukiah (South)	Willow County Water District	330	513
Hopland	Hopland Public Utility District		
Cloverdale	City of Cloverdale	611	1,400
Geyserville	Geyserville Water Works	150	131[a]
Healdsburg	Sciarra Water Company		
Healdsburg	City of Healdsburg	1,232	1,618
Santa Rosa	City of Santa Rosa		8,100[a]
Sebastopol	City of Sebastopol	484	1,196[a]
Hacienda	Hacienda Water Company		150
Armstrong Valley	Armstrong Valley Water Company		95[a]
Cazadero	Cazadero Water Company		150
Lower Russian River Area	California Water Service Company		
Occidental	Occidental Water Works		
Jenner	Cecil and Fred Mecum		

a/ Data for 1950

Water Rights

Water rights are an important consideration in the determination of availability of waters which are surplus to the present and future needs of an area wherein the waters originate.

Data were, therefore, obtained with respect to apparent water rights in connection with the surface water diversions described herein. These rights may be based on appropriative or riparian status. The California law of water rights, including both surface and underground water, is described briefly in Appendix C.

Most of the water use in the Russian River Hydrographic Unit is based on appropriative rights established after 1914. As of July 11, 1962, a total of 532 currently valid applications had been made in the unit under the provisions of the Water Commission Act of 1914. The status of applications was 304 completed to license, 173 completed to permit, 39 pending with the State Water Rights Board, and 16 incomplete as of that date. All of the applications are tabulated in Table C-1, Appendix C.

Surface Water Diversions

An attempt was made during the survey to locate and obtain data with respect to all diversions of more than 10 acre-feet per year. All diversions actually in use in 1959, and those which had been used within the preceding 5 years, were included. The date of last use, if known, is recorded for such discontinued diversions. Direct diversions as well as those involving significant surface storage were located. All reservoirs which had surface areas of about 3 acres or more were mapped. This size was considered the minimum size that could be delineated on the aerial photographs used. Reservoirs located along, and operated in conjunction with, canals and ditches are shown on the land and water use maps, but are not considered as separate systems and

are not assigned location numbers. Similarly, water supplies obtained from small intermittent streams intercepted by canal systems, which add to the primary diverted supply, are not classed as separate diversions.

The diversion system of a water company or a group of water users was considered as a single unit; individual customer distribution points are not shown on the maps. The number of surface water diversions and the measured amounts diverted are shown in Table 5 by type of use.

TABLE 5
SUMMARY OF USE AND MEASURED
SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT
IN 1959

Purpose	Total number of surface water diversions[a]	Number of diversions active in 1959	Number of measured diversions	Measured quantity of water diverted (in acre-feet)[b]
Irrigation and/or stockwatering	387	349	276	30,249
Municipal and/or domestic	35	35	26	5,978
Industrial	10	10	5	1,484
Recreation and miscellaneous	15	15	1	11
Total	447	409	308	37,722

a/ Includes all diversions active in 1959 or the preceding 5 years.

b/ Does not include pumped stream underflow or ground water.

Points of diversion and main canals or pipelines used to convey water from them are delineated on Plate 2, entitled "Land and Water Use." The diversions are listed in Table 6.

Numbering System for Surface Water Diversions

Surface water diversions are numbered to indicate their approximate location according to township, range and section within the federal land survey system. In this report each section is subdivided into 40-acre plots and the diversions are numbered within each of these 40-acre plots according to the order in which they were located. This system is illustrated on Plate 2. For example, diversion 16N/12W-8R1, which is shown on sheet 3 of Plate 2, labeled as "8R1," is the first diversion located in the southeast quarter of the southeast quarter of Section 8 in Township 16 North, Range 12 West, Mt. Diablo Base and Meridian (MDB&M).

Descriptions of Surface Water Diversions

Description, history and other information relating to surface water diversions was obtained by field inspection, interview with water users or their representatives, and reference to prior reports and official records. This information is summarized in Table 6. Data in the table are arranged by diversion location number within each subunit.

The purposes of each diversion, the quantity of water diverted during 1959, the extent of use, such as number of

acres irrigated, and the method of application of water are described in Table 6. If the purpose listed is not the usual use for that diversion, notation is made in the remarks column. The extent of domestic use is specified only when 5 or more connections are served. Stockwatering of less than 10 head of livestock is considered to be a domestic use. The extent of irrigation use is based on the land use survey described in Chapter III.

The type of water right under which the respective diversions are considered to be made is indicated in Table 6 as the "apparent water right." The determination of this item is based on the best information available from the owner, from the files of the State Water Rights Board, from official records, and from other sources. The actual amount of the right, if established and known, and a reference to the source of data are also included. Although this information is believed to be accurate, it is emphasized that it is not based on sworn claims or testimony and should in no way be construed to represent a conclusive determination of water rights.

Diversions for which the apparent water rights are based on appropriative rights are listed in Table 6 as "appropriative." Those that are not appropriative and for which the area of use is apparently riparian to the stream or which the owner claims to be riparian are listed as "riparian." Diversions listed as appropriative may also be riparian, although no attempt was made in such cases to determine the riparian status.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
						FORSYTHE SUBUNIT					
16N/12W-5A1 Sheet 5	H. H. Sweezey	Russian River	Irrig.	41 Acres by sprinkler and flooding	25	Approp.	0.5 cfs.	A-9832[b]	Prior 1920	Pump; plank dam 5 feet high, 30 fset long with 10-hp motor directly connected to distribution system.	Former owners: Finnish Colony, Babcock, Amarant.
16N/12W-5A2 Sheet 5	Albert Dockins	Russian River	Irrig.	8 acres by flooding	9	Riparian	--	--	Prior 1936	Pump; 5-hp motor with 400 feet of 6-inch pipe.	Former owner: Babcock
16N/12W-5A3 Sheet 5	H. H. Sweezey	Russian River	Irrig.	7 acres by sprinkler	8	Riparian	--	--	1959	Pump; gasoline tractor engine directly connected to distribution system.	
16N/12W-7C1 Sheet 5	Estate of Joy Lee Smith, Jay Lee Smith, Jr., Joan J. Smith	Forsyths Creek	Irrig.	12 acrss by sprinkler	8	Approp.	0.42 cfs.	A-16347[b]	About 1925	Pump; 3-hp motor directly connected to distribution system.	
16N/12W-8L1 Sheet 5	Carl E. Peterson	Forsythe Creek	Irrig.	11 acres by sprinkler and flooding	3	Approp.	0.10 cfs.	A-16430[b]	Prior 1941	Pump; gasoline tractor engine directly connected to distribution system.	Former owner: William Finne.
16N/12W-8R1 Sheet 5	Ray Adreueno	Forsythe Creek	Irrig.	3 acres by sprinkler	15	Riparian	--	--	Prior 1930	Pump; 3-hp motor directly connected to distribution system.	Former owners: Finne, Phillips, Phillips, Don Noack.
16N/12W-9M1 Sheet 5	Edward H. Sibbett	Russian River	See Remarks	See Remarks	None	Riparian	--	--	1947	Pump; 28-hp gasoline engina with 0.2 mile of 4-inch pipe	Purpose and extent of use reported under 16N/12W-9N2
16N/12W-9N1 Sheet 5	Edward H. Sibbett	Forsythe Creek	See Remarks	See Remarks	None	Approp.	1.0 cfs.	A-6642[b]	About 1925	Pump; 5-hp motor directly connected to distribution system.	Former owners: Heilman, C. R. Yarbrough. Purpose and extent of use reported under 16N/12W-9N2.
16N/12W-9N2 Sheet 5	Edward H. Sibbett	Russian River	Irrig.	See Remarks	None	Riparian	--	--	Prior 1925	Pump; 20-hp motor directly connected to distribution system.	Former owners: Heilman, C. R. Yarbrough. No diversion in 1959. Formerly irrigated 82 acres by sprinkler and flooding. Area irrigated received supplemental supply from 16N/12W-9M1 and 16N/12W-9N1.
17N/12W-29Q1 Sheet 3	Delbert Facklam	Russian River	Irrig.	See Remarks	None	Riparian	--	--	About 1925	Pump; 5-hp gasolina engine directly connected to distribution system.	Former owners: A. Ford, Methonen, Ike Burke, R. V. Johnson, No diversion in 1959. Formerly irrigated 3 acres by sprinkler and watered 80 head stock.
17N/12W-32A1 Sheet 3	Joe Rochioli and Harlan Howard	Russian River	Irrig.	17 acres by sprinkler	37	Approp.	0.45 cfs.	A-4428[b]	1925	Pump; 10-hp motor directly connected to distribution system.	Former owners: C. H. Smith, Rochester.
17N/12W-32A2 Sheet 3	Russell B. Strickland	Russian River	Irrig. stock	11 acres by sprinkler 18 head	11	Approp.	0.19 cfs.	A-6464[b]	1929	Pump; 10-hp motor directly connected to distribution system.	
17N/12W-32G2 Sheet 3	H. Bohnstedt	Russian River	Irrig.	See Remarks	None	Riparian	--	--	1958	Pump; 5-hp motor directly connected to distribution system.	No diversion in 1959. Formerly irrigated 16 acres by sprinkler.

For footnotes see last page of tables

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Forsythe Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
17N/13W-32R1 Sheet 3	William Johnson	Russian River	Irrig.	25 acres by sprinkler	Notmeas.	Approp.	0.28 cfs.	A-4307[b]	1923	Pump; 10-hp motor directly connected to distribution system.	Former owner: Finnish Colony.
17N/13W-15N1 Sheet 2	J. D. and Nina Welch, Jr. and E. C. and Eunice Welch	Unnamed springs tributary to Walker Creek	Domestic stock	80 connections 1,000 head	Notmeas.	Approp.	--	--	About 1880	Gravity and storage; developed springs with short pipe to one 125,000-gallon tank and 0.8 mile of 2-inch pipe.	Former owner: Charles Howard.
17N/13W-15P1 Sheet 2	J. D. and Nina Welch, Jr. and E. C. and Eunice Welch	Unnamed springs tributary to Walker Creek	Indust.	Lumbermill	Notmeas.	Approp.	--	--	About 1880	Gravity and storage; developed springs with short pipe to one 385,000-gallon concrete reservoir with 0.7 miles of 6-inch pipe.	Former owner: Charles Howard.
17N/13W-18R1 Sheet 2	Walker Lake, J. D. and Nina Welch, Jr. and E. C. and Eunice Welch	Walker Creek	Rec.	Fishing	Notmeas.	(a)	--	--	Prior 1953	Storage; earth dam 40 feet high, 125 feet long with 150-acre foot reservoir.	Former owner: Charles Howard.
						COYOTE VALLEY SUBUNIT					
16N/11W-3C1 Sheet 5	Gordon W. Leask	Unnamed tributary to East Fork Russian River	Stock Rec.	250 head boating, fishing and swimming	16	Approp.	13.5 af	A-17871[b]	1957	Storage; earth and rock dam 30 feet high, 150 feet long with 13-acre-foot reservoir.	
16N/11W-5B1 Sheet 5	J. F. and Charles H. Guntley	East Fork Russian River	Irrig. stock	79 acres by flooding 1,000 head	156	Approp.	1.10 cfs.	A-9891[b]	1940	Pump; 40-hp motor with 0.4 mile of 18-inch pipe.	
16N/11W-5B2 Sheet 5	Robert W. Magruder	East Fork Russian River	Irrig. stock	22 acres by sprinkler	9	Approp.	0.50 cfs.	A-17508[b]	1955	Pump; 50-hp gasoline tractor engine directly connected to distribution system.	This diversion system also used at 16N/11W-5G1.
16N/11W-5G1 Sheet 5	Robert W. Magruder	East Fork Russian River	Irrig.	13 acres by sprinkler	9	Approp.	0.50 cfs.	A-17508[b]	1957		Used diversion system of 16N/11W-5B2.
16N/11W-18F1 Sheet 5	W. L. O'Neil	Cold Creek	Irrig.	6 acres by sprinkler	9	Riparian	--	--	1951	Pump; 7.5-hp motor with 200 feet of 4-inch pipe.	Former owner: F. Vann.
16N/11W-18G1 Sheet 5	John Wathen	Cold Creek	Irrig.	12 acres by sprinkler	Notmeas.	Riparian	--	--	Prior 1920	Pump; 20-hp motor with 400 feet of 5-inch pipe.	Former owner: Ronald Daut.
16N/11W-18J1 Sheet 5	J. F. and Charles H. Guntley	Cold Creek	Irrig.	19 acres by sprinkler	89	Approp.	0.33 cfs.	A-17271[b]	1956	Pump; 20-hp motor with 100 feet of 6-inch pipe.	
16N/11W-20D1 Sheet 5	Britt Pugh	Unnamed springs tributary to Cold Creek	Irrig.	4 acres by flooding	Notmeas.	Riparian (a)	--	--	1957	Storage and gravity; earth dam 15 feet high, 400 feet long, with 12-acre-foot reservoir and 100 feet of 12-inch pipe.	

For footnotes see last page of tables.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Coyote Valley Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
16N/11W-20L1 Sheet 5	Althea L. DuBois	Unnamed springs tributary to Cold Creek	Irrig. Domestic	2 acres by sprinkler (a)	Notmeas.	Approp. (See Remarks)	0.13 cfs.	A-18699[b/]	1921	Gravity; small catch basin with short pipe to 100-gallon tank and 0.5 mile of 3-inch plastic pipe to area of use.	Water right applied for. Now being adjudicated.
16N/11W-20M1 Sheet 5	George Daut	Unnamed springs tributary to Cold Creek	Irrig.	21 acres by sprinkler	Notmeas.	Riparian (a)	--	--	1955	Storage and gravity; earth dam 15 feet high, 500 feet long, with 15-acre-foot reservoir and 0.5 mile of 2-inch pipe.	Former owner: Otto Krueger.
16N/11W-21Q1 Sheet 5	Arthur C and Alice M. Elting	Dear Spring and unnamed springs tributary to Cold Creek.	Irrig. stock	5 acres by sprinkler 5 head	7	Riparian (a)	--	--	Prior 1945	Storage and gravity; earth dam 10 feet high and 100 feet long with 5-acre-foot reservoir and 400 feet of 2-inch pipe.	
17N/11W-6E1 Sheet 3	Eastside Canal Potter Valley Irrigation District	East Fork Russian River (See Remarks)	Irrig.	1,8460 acres by flooding (See Remarks)	8,078	Approp.	50.0 cfs.	A-13557[b/]	1929	Pump; 30-hp motor with 8.5 miles of earth ditch. 6 feet deep, 10 feet wide.	Water imported from outside Russian River Hydrographic Unit. Area irrigated received supplemental supply from 17N/11W-6E2.
17N/11W-6E2 Sheet 3	Westside Canal Potter Valley Irrigation District	East Fork Russian River (See Remerks)	Irrig.	2,464 acres by flooding	8,728	Approp.	50.0 cfs.	A-13557[b/]	1924	Pump; 30-hp motor with 9.0 miles of earth ditch, 6 feet deep, 10 feet wide.	Water imported from outside Russian River Hydrographic Unit.
17N/11W-6E3 Sheet 3	Otto Hughes	East Fork Russian River (See Remarks)	Irrig.	41 acres by flooding	56	Riparian	--	--	1908	Pump; 15-hp motor with 0.1 mile of 8 and 10-inch pipe and earth ditch.	Water imported from outside Russian River Hydrographic Unit.
17N/11W-6E4 Sheet 3	Otto Hughes	East Fork Russian River (See Remarks)	Irrig. Stock	25 acres by sprinkler 50 head	59	Riparian	--	--	1949	Pump; 20-hp motor and 0.4 mile of 6-inch pipe.	Water imported from outside Russian River Hydrographic Unit.
17N/11W-17D1 Sheet 3	Manuel A. Alves	East Fork Russian River	Irrig.	72 acres by sprinkler	225	Approp.	1.82 cfs.	A-11383[b/]	1946	Pump; 30-hp motor with 0.3 mile of 8-inch pipe.	Former owner: Edwin B. Bennett.
17N/11W-17E1 Sheet 3	Mrs. George Phillips	East Fork Russian River	Irrig. stock	14 acres by flooding 34 head	158	Riparian	--	--	1938	Pump; 10-hp motor with 0.2 mile of 8-inch pipe.	Former owners: Wiley Pickle.
17N/11W-17M1 Sheet 3	William L. and Mary L. Reiter	East Fort Russian River	Irrig.	7 acres by sprinkler	None	Approp.	2200 gpd	A-16543[b/]	1952	Pump; 2-inch discharge with 300 feet of 2.5-inch pipe.	
17N/11W-20C1 Sheet 3	William H. Keeney	East Fork Russian River	Irrig.	19 acres by sprinkler	21	Approp. (See Remarks)	0.28 cfs.	A-14259[b/]	1949	Pump; 20-hp motor with 0.1 mile of 8-inch pipe.	Former owner: Dell Summerville. Water right not currently on file.

For footnotes see last page of tables.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Coyote Valley Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
17N/11W-29Q1 Sheet 3	Madeo Peregrina	East Fork Russian River	Irrig.	41 acres by flooding	65	Riparian	- -	- -	1943	Pump; 20-hp motor with 0.7 mile of earth ditch 2.5 feet deep, 5 feet wide.	Former owner: Kate Raymond
17N/11W-32A1 Sheet 3	Joe Diaz	East Fork Russian River	Irrig. stock	30 acres by flooding 40 head	78	Riparian	- -	- -	1947	Pump; 20-hp motor with 0.1 mile of 14-inch pipe.	
17N/11W-32A2 Sheet 3	H. O. Cleland	East Fork Russian River	Irrig.	58 acres by sprinkler	76	Approp.	1.76 cfs.	A-17881[b/]	1956	Pump; 20-hp motor with 0.3 mile of 6-inch pipe.	
17N/11W/32H1 Sheet 3	H. O. Cleland	East Fork Russian River	Irrig.	40 acres by sprinkler	86	Approp.	1.76 cfs.	A-17881[b/]	1956	Pump; 20-hp motor with 0.3 mile of 6-inch pipe.	
17N/11W-32K1 Sheet 3	Robert W. Hegruder	East Fork Russian River	Irrig.	10 acres by flooding	1	Approp.	0.5 cfs.	A-17508[b/]	1924	Pump; 3-hp motor with 400 feet of 4-inch pipe.	Former owner: Charles Havens
17N/11W-32Q1 Sheet 3	Robert W. Magruder	East Fork Russian River	Stock	2 acres by sprinkler 550 head	Notmeas.	Approp.	0.5 cfs.	A-17508[b/]	1955	See Remarks	Used diversion system of 16N/11W-561.
17N/12W-24R1 Sheet 3	Gregory A. Harrison	Bevans Creek	Irrig. stock	59 acres by sprinkler 130 head	122	Approp.	89.6 afa 110.4 afa	A-16086[b/] A-16381[b/]	1953	Storege and grevity; earth and rock dam, 51 feet high, 460 feet long with 215-acre foot reservoir and 0.9 mile of 4, 6 and 8-inch pipe.	
						UPPER RUSSIAN RIVER SUBUNIT					
12N/9W-20E1 Sheet 11	C. W. Hallinan	Tyler Creek	Irrig.	19 acres by flooding and sprinkler	Not.meas.	(a)				Storege and gravity; earth dam 20 feet high, 150 feet long with a 15-acre foot reservoir and 0.5 mile of pipe and earth ditch.	Former owner: Tyler, Canevari 11 acres fallow in 1959.

For footnotes see last page of tables.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Upper Russian River Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
12N/11W-2E1 Sheet 10	A. DeMarrantonio	Russian River	Irrig.	13 acres by sprinkler	8	Riparian	--	--	1955	Pump; 15-hp motor directly connected to distribution system.	Former owner: Bradford.
12N/11W-14P1 Sheet 10	Robert L. and Elaina Crandall	Russian River	Irrig.	8 acres by sprinkler	31	Approp.	0.13 cfs.	A-15743[b]	1954	Pump; 15-hp motor with 300 feet of 6-inch pipe.	Former owner: Crandel.
13N/11W-6Q1 Sheet 9	J. W. Hawn	Russian River	Irrig.	56 acres by flooding	66	Approp.	0.42 cfs.	A-3565[b]	1923	Pump; 15-hp motor with 0.4 mile of 10 and 12-inch pipe.	
13N/11W-7F1 Sheet 9	John I. Haas Incorporated	Russian River	Irrig.	36 acres by sprinkler (See remarks)	43	(a)	--	--	1950	Pump; 20-hp motor with 1 mile of 6-inch pipe.	Area irrigated received supplemental supply from 13N/11W-18A1.
13N/11W-18A1 Sheet 9	John I. Haas Incorporated	Russian River	Irrig.	104 acres by sprinkler	172 (See remarks)	(a)	--	--	1950	Pump; 5-hp motor and 0.5 mile of 8-inch pipe.	Amount diverted partly used to supplement 13N/11W-7F1.
13N/11W-18P1 Sheet 9	John N. Gardner	Unnamed tributary to Russian River	Irrig.	20 acres by sprinkler	28	Riparian	--	--	1950	Pump; 5.5-hp motor directly connected to distribution system.	
13N/11W-18R1 Sheet 9	A. F. Moulton	Russian River	Irrig.	80 acres by sprinkler	104	Approp.	0.90 cfs.	A-16670[b]	1940	Pump; 30-hp motor with 0.4 mile of 8-inch pipe.	10 acres fallow in 1959.
13N/11W-19A1 Sheet 9	John Rosatti	Russian River	Irrig.	7 acres by sprinkler	Notmeas.	(a)	--	--	1950	Pump; 7.5-hp motor with 0.3 mile of 4-inch pipe.	
13N/11W-19A2 Sheet 9	John I. Haas, Inc.	Russian River	(See Remarks)	(See Remarks)	35	(a)			1950	Pump; motor with 4-inch discharge directly connected to distribution system.	Purpose and extent of use reported under 13N/11W-19H1.
13N/11W-19G1 Sheet 9	David J. Henderson and Chris Keiffer	Russian River	Irrig.	91 acres by sprinkler	38	Approp.	1.0 cfs.	A-17145	1914	Pump; 15-hp motor with 0.1 mile of 6-inch pipe.	
13N/11W-19H1 Sheet 9	John I. Haas Incorporated	Russian River	Irrig.	54 acres by sprinkler	98	(a)	--	--	1950	Pump; 50-hp motor with 0.3 mile of 8-inch pipe.	This diversion is supplemented by 13N/11W-19A2.
13N/11W-19N1 Sheet 9	C. O., F. M. and C. R. Fairbairn	Russian River	Irrig.	49 acres by sprinkler	57	Approp.	0.24 cfs.	A-13749[b]	1948	Pump; 20-hp motor with 0.3 mile of 8-inch steel pipe.	
13N/11W-20P1 Sheet 9	Frank Ponzio	Harris Creek	(See Remarks)	(See Remarks)	1	Approp.	0.35 cfs. 49 afa	A-16973	1952	Pump; 5-hp motor with 0.3 mile of 6-inch pipe.	Purpose and extent of use reported under 13N/11W-20Q1.
13N/11W-20Q1 Sheet 9	Frank Ponzio	Harris Creek	Irrig. stock	39 acres by sprinkler 150 head	54	Approp.	0.35 cfs. 49 afa	A-16973[b]	1950	Storage and gravity; earth and rock dam 28 feet high, 325 feet long with 49-acre foot reservoir and short pipe to 7.5-hp motor with 0.3 mile of 6-inch pipe.	

For footnotes see last page of tables

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Upper Russian River Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
13N/11W-21E1 Sheet 9	Irving N. Bliss	McDowell Creek (See Remarks)	Irrig.	23 acres by sprinkler	2	Approp.	1.0 cfs.	A-13666[b/]	1950	Pump; gasoline engine with 5-inch discharge and 0.4 mile of 5-inch pipe.	
13N/11W-22G1 Sheet 9	Swen G. Gummer	McDowell Creek	Irrig. stock	31 acres by sprinkler 500 head	9	Approp.	1.0 cfs.	A-16825[b/]	1950	Storage and pump; earth dam 12 feet high, 50 feet long with 3-acre reservoir and 15-hp motor with 0.1 mile of 8-inch pipe.	Former owner: E. Rountree. 16 acres idle in 1959.
13N/11W-28E1 Sheet 9	L. Grace	Unnamed ravine tributary to Russian River.	Irrig. stock	11 acres by sprinkler 400 head	54	(a)	- -	- -	1945	Storage and gravity; earth dam 25 feet high, 275 feet long with 2-acre foot reservoir and 0.3 mile of 6-inch pipe and 0.3 mile of earth ditch.	
13N/11W-29P1 Sheet 9	Thelma Ingram	Russian River	Irrig.	3 acres by flooding	Notmeas.	Approp.	0.14 cfs.	A-16474[b/]	Prior 1946	Pump; 5.5-hp gasoline engine with short pipe.	Former owner: Ingram.
13N/11W-29Q1 Sheet 9	Alex Roroughgh	Russian River	Irrig.	8 acres by sprinkler	29	Approp.	0.62 cfs.	A-17885[b/]	Prior 1955	Pump; 7.5-hp motor with 0.2 mile of 6-inch pipe.	Former owner: Ackerman.
13N/11W-30A1 Sheet 9	Rosetti Brothers	Russian River	Irrig.	34 acres by sprinkler	56	Approp.	0.26 cfs.	A-13755[b/]	1947	Pump; 15-hp motor directly connected to distribution system.	Former owners: Rosetti, Phillips.
13N/11W-30H1 Sheet 9	L. Grace	Russian River	Irrig. Stock	41 acres by sprinkler 500 head	38	Riparian	- -	- -	1959	Pump; 20-hp motor directly connected to distribution system.	
13N/11W-30J1 Sheet 9	Venczio Milone	Russian River	Irrig.	33 acres by sprinkler	34	Approp.	0.22 cfs.	A-13753[b/]	Prior 1937	Pump; 20-hp motor directly connected to distribution system.	Former owners: Marby, Jones.
13N/11W-32A1 Sheet 9	G. P. Bradford	Russian River	Irrig.	139 acres by sprinkler (See Remarks)	Notmeas.	Approp.	3.0 cfs.	A-16249[b/]	1948	Pump; 15-hp motor with 0.5 mile of 12-inch pipe. (See Remarks)	Former owners: Martman, Smith. This distribution system also used at 13N/11W-33M1 to supplement this acreage.
13N/11W-33K1 Sheet 9	G. P. Bradford	Russian River	Irrig.	23 acres by sprinkler	54	Approp.	3.0 cfs.	A-16249[b/]	1953	Pump; 5-hp motor with 200 feet of 4-inch pipe.	Former owners: Hartman, Smith.
13N/11W-33M1 Sheet 9	G. P. Bradford	Russian River	Irrig.	(See Remarks)	Notmeas.	Approp.	3.0 cfs.	A-16249[b/]	1942	Pump; 20-hp motor. (See Remarks)	Former owners: Smith, Hartman. Used distribution system of 13N/11W-32A1 to supplement 13N/11W-32A1.
13N/12W-1A1 Sheet 8	A. F. Moulton Company	Russian River	Irrig.	14 acres by flooding	73	Approp.	0.80 cfs.	A-16671[b/]	1927	Pump; 15-hp motor with 0.4 mile of 10 and 12-inch pipe.	
13N/12W-1B1 Sheet 8	Jessie Crawford	Russian River	Irrig. stock	42 acres by flooding 300 head	46	Approp.	0.625 cfs.	A-13661[b/]	Prior 1930	Pump; 15-hp motor with 0.2 mile of 12-inch pipe.	Former owner: P. C. Crawford.
13N/12W-1H1 Sheet 8	A. F. Moulton Company	Russian River	Irrig. (See Remarks)	(See Remarks)	None.	Approp.	0.80 cfs.	A-16671[b/]	1950	Pump; 50-hp gasoline engine directly connected to distribution system.	No diversion in 1959. Formerly irrigated 7 acres by flooding.

For footnotes see last page of tablee.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Upper Russian River Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
13N/12W-1H2 Sheet 8	J. W. Hawn	Russian River	Irrig.	40 acres by flooding	63	Approp.	0.42 cfs.	A-3565	1915	Pump; 15-hp motor with 0.2 mile of 10-inch pipe.	Former owner: Gambrel
13N/12W-15K1 Sheet 8	F. J. Hellman	Feliz Creek	Irrig. Stock.	32 acres by sprinkler 350 head	97	Approp.	0.44 cfs.	A-13633[b]	Prior 1950	Gravity; concrete dam 8 feet high, 60 feet long with short pipe directly connected to distribution system.	
13N/12W-24P1 Sheet 8	C. W. Johnson	Unnamed draw tributary to Faliz Creek	Irrig. Stock.	84 acres by sprinkler 150 head	25	(a)			1943	Storage and pump; earth dam 15 feet high, 500 feet long with 10-acre reservoir and 20-hp motor with 0.3 mile of 6-inch pipe.	
14N/12W-3N1 Sheet 7	R. E. Ledford	Russian River	Irrig.	81 acres by sprinkler	Not.meas.	Approp.	0.75 cfs.	A-14304[b]	1880	Pump; 25-hp motor directly connected to distribution system.	Former owner: Moreby
14N/12W-4B1 Sheet 7	Martin P. Stipp	Russian River	Irrig.	79 acres by flooding	128	Approp.	0.60 cfs.	A-6855[b]	1930	Pump; 10-hp motor with 1 mile of 10-inch pipe.	Former owner: F. P. Stipp
14N/12W-4E1 Sheet 7	Joseph A. Lamalfa	Robinson Creek	Irrig.	28 acres by sprinkler	10	Approp.	0.40 cfs.	A-18199[b]	1953	Pump; 10-hp motor with 0.2 mile of 4-inch pipe.	
14N/12W-4J1 Sheet 7	G. K. Schrader	Russian River	Irrig.	132 acres by sprinkler	134	Approp.	0.94 cfs.	A-13528[b]	1950	Pump; 50-hp motor with 0.2 mile of 10-inch pipe, 0.6 mile of 8-inch pipe and 0.2 mile of 6-inch pipe.	Former owner: C. Cox
14N/12W-5K1 Sheet 7	J. N. Stipp	Robinson Creek	Irrig.	47 acres by sprinkler (See Remarks)	14	Riparian	--	--	1930	Pump; 15-hp motor with 0.1 mile of 6-inch pipe.	Includes 14N/12W-5P1
14N/12W-5P1 Sheet 7	J. N. Stipp	Robinson Creek	(See Remarks)	(See Remarks)	6	Riparian	--	--	1945	Pump; gasoline engine with 3-inch discharge directly connected to distribution system.	Purpose and extent of use reported under 14N/12W-5K1.
14N/12W-9A1 Sheet 7	L. Wagner	Russian River	Irrig.	61 acres by flooding	11	Approp.	0.50 cfs. 0.60 cfs.	A-16308[b] A-17622[b]	1918	Pump; 25-hp motor with 0.8 mile of 8-inch pipe.	Former owner: Ida Romer.
14N/12W-10C1 Sheet 7	Anna Thomas	Russian River	Irrig.	20 acres by sprinkler	53	Approp.	0.67 cfs.	A-14539[b]	1930	Pump: 20-hp motor with 0.2 mile of 6-inch pipe.	Former owners: Morby, Bradford and Thomas
14N/12W-10C2 Sheet 7	Samuel D. Cowan	Russian River	Irrig.	48 acres by sprinkler	60	Riparian	--	--	1932	Pump; 25-hp motor with 0.5 mile of 6-inch pipe.	Former owner: Robert and William Johnson.
14N/12W-10F1 Sheet 7	Crellin Fitzgerald	Russian River	Irrig. Stock.	70 acres by sprinkler 140 head	149	Approp.	1.0 cfs.	A-16758[b]	1943	Pump; 50-hp motor with 0.6 mile of 8-inch pipe.	Former owner: Johnson.
14N/12W-10L1 Sheet 7	Louis F. Johnson	Russian River	Irrig.	61 acres by sprinkler	122	Approp.	0.43 cfs.	A-4308[b]	1921	Pump; 15-hp motor with 0.3 mile of 8-inch pipe.	Former owner: J. C. Johnson.
14N/12W-10P1 Sheet 7	Robert C. Kircher	Russian River	Irrig.	154 acres by sprinkler	315	Approp.	1.80 cfs. 1.50 cfs.	A-17911[b] A-17005[b]	Prior 1958	Pump; 30-hp motor with 0.3 mile of 8-inch pipe.	Former owners: Johnson, Dutton and Cowen.

For footnotes see last page of tables.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Upper Russian River Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
14N/12W-14M1 Sheet 7	G. E. Dutton	Russian River	Irrig. Stock.	(See Remarks)	None	Riparian	--	--	1945	Pump; 20-hp motor with 0.3 mile of 6-inch pipe.	Former owner: F. N. Swisher. No diversion in 1959. Formerly irrigated 27 acres by sprinkler and watered 600 head of stock.
14N/12W-23H1 Sheet 7	Herman W. Nelson	Russian River	Irrig. Stock.	145 Acres by sprinkler (See Remarks)	Not.meas.	Approp.	3.0 cfs.	A-17624[b/]	1957	Pump; 50-hp motor with 1 mile of 10-inch pipe.	Area irrigated received supplemental supply from 14N/12W-26E1
14N/12W-25F1 Sheet 7	John Reed Lowe	Russian River	Irrig.	26 acres by sprinkler	1	Approp.	8900 gpd.	A-14206[b/]	1951	Pump; 2-hp motor directly connected to distribution system.	
14N/12W-25J1 Sheet 7	Estate of Elmer Ruddick	Russian River	Irrig.	21 acres by sprinkler	5	Approp.	1.0 cfs.	A-15781[b/]	Prior 1925	Pump; 15-hp motor directly connected to distribution system.	
14N/12W-25L1 Sheet 7	Ivan Crawford	Russian River	Irrig. Stock.	131 acres by sprinkler 600 head	114	Approp.	1.0 cfs.	A-14997[b/]	1920	Pump; 50-hp motor with 1.1 miles of 6 and 8-inch pipe.	
14N/12W-26E1 Sheet 7	Herman W. Nelson	McNab Creek	(See Remarks)	(See Remarks)	Not.meas.	Approp.	1.0 cfs.	A-14671[b/]	1952	Pump; 25-hp motor with 0.3 mile of 8-inch pipe.	Purpose and extent of use reported under 14N/12W-23H1. Amount diverted used to supplement 14N/12W-23H1.
14N/12W-28M1 Sheet 7	Eleanor M. Scott and Mildred Chambers	McNab Creek	Irrig.	4 acres by flooding	Not.meas.	Approp.	96.5 afa	A-12232[b/]	1946	Storage and gravity; earth dam 40 feet high, 830 feet long with 96-acre-foot reservoir and 0.5 mile of 20-inch pipe.	Former owner: John L. McNab.
14N/12W-36D1 Sheet 7	Ivan Crawford	McNab Creek	Irrig. (See Remarks)	(See Remarks)	None	Riparian	--	--	1930	Pump; 50-hp gasoline engine with 0.1 mile of 6-inch pipe.	No diversion in 1959. Formerly irrigated 13 acres by flooding.
14N/12W-36Q1 Sheet 7	Clifford W. Crawford	Russian River	Irrig. Stock.	83 acres by sprinkler 500 head	141	Approp.	0.90 cfs	A-13030[b/]	1918	Pump; 50-hp motor with 0.6 mile of 8-inch pipe.	Former owner: Wayne Crawford
15N/12W-4E1 Sheet 6	Albert Luakari	Russian River	Irrig. (See Remarks)	(See Remarks)	None	Riparian	--	--	1949	Pump; 5-hp motor with 0.2 mile of 4-inch pipe.	No diversion in 1958 or 1959. Formerly irrigated 8 acres by sprinkler.
15N/12W-5J1 Sheet 6	E. A. Ford	Russian River	Irrig. (See Remarks)	(See Remarks)	None	Approp.	0.18 cfs.	A-3601[b/]	1923	Pump; 10-hp motor directly connected to distribution system.	Former owner: McFarland. No diversion in 1959. Formerly irrigated 12 acres by sprinkler.
15N/12W-5R1 Sheet 6	E. G. Harmon	Russian River	Irrig.	20 acres by flooding	29	Approp.	0.50 cfs.	A-14201[b/]	1940	Pump; 15-hp motor with 0.4 mile of 12-inch pipe.	Former owners: John Drivell, Ed Saler.
15N/12W-9D1 Sheet 6	John & Rita Drivell	Russian River	Irrig.	12 acres by sprinkler	Not.meas.	Approp.	0.16 cfs.	A-16416[b/]	1942	Pump; 30-hp motor directly connected to distribution system.	
15N/12W-9E1 Sheet 6	Neva L. Kunzler	Russian River	Irrig.	31 acres by sprinkler	18	Approp.	0.16 cfs	A-15796[b/]	1954	Pump; 20-hp motor with 0.5 mile of 5-inch pipe.	Former owner: S. J. Kunzler. 13 acres idle in 1959.
15N/12W-16D1 Sheet 6	Harriet O. White	Russian River	Irrig.	128 acres by sprinkler	37	Approp.	0.53 cfs	A-15168[b/]	1950	Pump; 15-hp motor directly connected to distribution system.	

For footnotes see last page of tables.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Upper ~~Russian River~~ Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
15N/12W-16D2 Sheet 6	Agnes C. Thomas	Russian River	Irrig.	5 acres by sprinkler	47	Approp.	0.20 cfs.	A-4832[b]	1925	Pump; 3-hp motor with 300 feet of 12-inch pipe.	Former owner: C. S. Myszka
15N/12W-16E1 Sheet 6	Rusl Stickney, J. Newell Res, and Ruth Belden	Russian River	Irrig.	30 acres by sprinkler	Not.meas.	Approp.	0.14 cfs. 0.14 cfs. 0.14 cfs.	A-13057[b] A-13058[b] A-13059[b]	1949 1949 1949	Pump; 5-hp motor with 0.5 mile of 10-inch pipe.	Former owner: C. E. Flowers.
15N/12W-16E2 Sheet 6	F. Bricarelli	Russian River	Irrig.	8 acres by sprinkler	Not.meas.	Approp.	0.375cfs.	A-13973[b]	1939	Pump; 10-hp motor with 0.2 mile of 12-inch pipe.	
15N/12W-16E3 Sheet 6	Garrett & Co., Inc.	Russian River	Indust.	Winery, cooling water	Not.meas.	Approp.	0.80 cfs. 0.238cfs.	A-13974[b] A-14160[b]	1923 1951	Pump; 10-hp motor with 0.2 mile of 6-inch pipe.	Former owner: California Grape Products Company
15N/12W-16L1 Sheet 6	S. W. Watson	Russian River	Irrig.	33 acres by flooding	127	Approp.	0.50 cfs.	A-14916[b]	1951	Pump; 15-hp motor with 0.8 mile of 14-inch pipe.	
15N/12W-22K1 Sheet 6	Bartolomei Brothers	McClure Creek	Irrig.	10 acres by flooding	Not.meas.	(a)	—	—	1925	Pump; 10-hp mot or with 0.2 mile of 6-inch pipe.	
15N/12W-24Q1 Sheet 6	W. A. Germah	North Fork Mill Crk.	Irrig. Stock. Domestic	4 acres by sprinkler 125 head (c)	Not.meas.	Approp.	25 M.I.		1893	Gravity; small diversion dam with 0.5 mile of 6-inch and 8-inch pipe.	Former owners: J. R. Thomas, Garvanta. 4 acres idle in 1959.
15N/12W-25F1 Sheet 6	Mendocino State Hospital	Middle Fork Mill Creek	Irrig.	176 acres by sprinkler (See Remarks)	22	(a)	—	—	1931	Storage and gravity. Concrete dam 35 feet high, 119 feet long with 27-acre-foot reservoir and 1.6 miles of 8-inch pipe.	Area irrigated received supplemental supply from 15N/12W-25R1. 4 acres fallow in 1959.
15N/12W-25R1 Sheet 6	Mendocino State Hospital	Middle Fork Mill Creak	(See Remarks)	(See Remarks)	92 (See Remarks)	(a)	—	—	1931	Storage and gravity. Concrete dam 49 feet high, 254 feet long with 85-acre-foot reservoir directly connected to 15N/12W-25F1.	Purpose and extent of use reported undar 15N/12W-25F1. Amount diverted used to supplement 15N/12W-25F1.
15N/12W-27B1 Sheet 6	J. P. Lucchssi	Unnamed springs tributary to McClure Creek.	Irrig.	33 acres by sprinkler	Not.meas.	(a)	—	—	1850	Pump; .75-hp motor with 0.2 mile of 6-inch pipe.	Former owners: Hoffman, Pehis, Hildreth, Gibson and A.Lucchesi.
15N/12W-28A1 Sheet 6	Sterling Norgard	Russian River	Irrig.	13 acres by sprinkler	22	Approp.	0.25 cfs.	A-15678[b]	1947	Pump; gasolins engine with 4-inch discharge and 0.3 mile of 6-inch pipe.	
15N/12W-28F1 Sheet 6	Russell Scott	Russian River	(See Remarks)	(See Remarks)	26	Approp.	0.625cfs.	A-16155[b]	1959	Pump; directly connected to distribution system.	Purpoas and extent of use reported under 15N/12W-28L2.
15N/12W-28G1 Sheet 6	Minnie G. Scott, James E and Chaplin Williams	Russian River	Irrig.	59 acres by sprinkler	39	Approp.	0.45 cfs.	A-13270[b]	1930	Pump; 15-hp motor with 0.3 mile of 10-inch pipe.	
15N/12W-28L1 Sheet 6	Mendocino State Hospital	Russian River	Irrig.	70 acres by flooding	131	Approp.	3.0 cfs.	A-13288[b]	1935	Pump; 20-hp motor with 0.5 mile of 14-inch pipe.	22 acres fallow in 1959.
15N/12W-28L2 Sheet 6	Russall Scott	Russian River	Irrig.	38 acres by flooding	118	Approp.	0.625 cfs.	A-16155[b]	Prior 1941	Pump; 15-hp motor with 0.9 mile of 12-inch pipe.	Former owner: Ford. Supplemented by 15N/12W-28F1. 2 acres idle in 1959.
15N/12W-28L3 Sheet 6	Everett Cox	Russian River	Irrig.	35 acres by flooding	50	Approp.	0.51 cfs.	A-1983[b]	1920	Pump; 10-hp motor with 0.6 mile of 12-inch pipe.	Former ownar: L. H. Cox

For footnotes see last page of tablea.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Upper Russian River Subunit (continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
15N/12W-33E1 Sheet 6	Willow County Water District	Russian River	Municip.	550 connections	Not.meas.	Approp.	1.0 afs.	A-15721[b]	1951	Pumps; (2) motors directly connected to distribution system.	
15N/12W-33L1 Sheet 6	Sterling Norgard	Russian River	Irrig.	25 acres by sprinkler	37	Approp.	0.38 cfs. 0.32 cfs.	A-14624[b] A-15677[b]	Prior 1950	Pump; 30-hp motor with 0.3 mile of 6-inch pipe.	Former owner: Kate MaHern.
15N/12W-33Q1 Sheet 6	A. R. Thomas	Russian River	Irrig.	143 acres by sprinkler	221	Approp.	0.19 cfs.	A-6854[b]	1930	Pump; 15-hp motor with 0.6 mile of 8-inch pipe.	Former owners: J. S. Johnson and Cambert Marketing Company.
15N/13W-12A1 Sheet 6	F. Bricarelli and Hollowtree Lumber Company.	Ackerman Creek	Irrig. Indust. Stock.	7 acres by sprinkler Fire protection 75 head	27	Approp.	0.22 cfs.	A-13674[b]	1947	Pump; 25-hp motor with 0.3 mile of 3-inch pipe to 2 storage tanks.	
15N/13W-15A1 Sheet 6	George Chalfant	Unnamed tributary to Orrs Creek.	Stock.	25 head	Not.meas.	Approp.	0.2 cfs. 10 afs	A-17642[b]	1952	Gravity; earth dam 40 feet high, 90 feet long with 12-acre-foot reservoir and 230 feet of 3-inch pipe.	Former owner: L. B. Underhill
16N/12W-16P1 Sheet 5	Durable Fir and Lumber Company	Russian River	Indust.	Sawmill (See Remarks)	59	Approp.	0.22 cfs.	A-15663[b]	1948	Pump; 20-hp motor with 0.3 mile of 8-inch pipe.	Former owners: Calpella Plywood, Coast Plywood. Sawmill received supplemental supply from 16N/12W-16P2.
16N/12W-16P2 Sheet 5	Durable Fir and Lumber Company	Russian River	Indust.	Sawmill	Not.meas.	Approp.	0.22 cfs.	A-15663[b]	1953	Pump; 3-hp motor with short pipe joining pipeline from 16N/12W-16P1.	Amount diverted used to supplement 16N/12W-16P1.
16N/12W-28F1 Sheet 5	Robert N. and Juliet S. Peterson	Russian River	Irrig. (See Remarks)	(See Remarks)	None	Approp.	0.19 cfs.	A-2723	1922	Pump; 10-hp motor directly connected to distribution system.	Former owners: Franklin O. Scott, Joseph P. Scott, C. B. Rusco. No diversion in 1959. Formerly irrigated 7 acres by sprinkler.
16N/12W-28P1 Sheet 5	Arthur B. Siri, Inc.	Russian River	Indust.	Gravel plant	134	(a)	—	--	1953	Pump; 15-hp motor with 100 feet of 6-inch pipe.	
16N/12W-29E1 Sheet 5	Loren and Mark York	Unnamed gulch tributary to York Crk.	Irrig.	32 acres by sprinkler	11	(a)	—	—	1948	Storage and pump; earth dam 15 feet high, 170 feet long with 8-acre reservoir and 7.5-hp motor with 0.4 mile of 4-inch pipe.	6 acres fallow in 1959.
16N/12W-32C1 Sheet 5	Loren and Mark York	York Creek	Irrig.	17 acres by flooding	10	Riparian	--	--	1930	Pump; gasoline engine with 3-inch discharge and short pipe.	Former owner: York
16N/12W-33K1 Sheet 5	David G. Thompson	Russian River	Irrig.	44 acres by sprinkler	55	Riparian	—	--	Prior 1940	Pump; 20-hp motor with 0.4 mile of 4-inch and 6-inch pipe.	Former Owner: Curtis Miller
16N/12W-33K2 Sheet 5	Floyd C. Lawrence	Russian River	Irrig.	18 acres by sprinkler	29	Riparian	—	—	1932	Pump; 15-hp motor with 0.3 mile of 6-inch pipe.	Former owner: W. F. Lawrence
16N/13W-33Q1 Sheet 5	David G. Thompson	Russian River	Irrig. Domestic Stock.	6 acres by sprinkler (c) 60 head	Not.meas.	Riparian	—	—	1950	Pump; 5-hp motor with 400 feet of 2-inch and 4-inch pipe.	

For footnotes see last page of tables.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					SULPHUR CREEK SUBUNIT						
11N/10W-3H1 Sheet 13	P. C. Hale	Springs tributary to Big Sulphur Creek	Irrig. Stock Domes.	19 acres by sprinkler 150 head (c)	not meas.	Riparian	--	--	Approx. 1950	Gravity; 700 feet of 2-inch pipe to two storage tanks and 1500 feet of 4-inch pipe	
					MIDDLE RUSSIAN RIVER SUBUNIT						
8N/7W-5G1 Sheet 20	Mrs. Emmy L. Fouts	Unnamed draw tributary to Franz Creek	Rec.	Fishing and swimming	not meas.	Approp.	36 afa	A-15314[b]	1950	Storage and pump; earth dam 45 feet high; 50 feet long with 43 acre-foot reservoir	
9N/7W-7F1 Sheet 17	Gilbert Foote	Foote Creek	Irrig. Stock	49 acres by sprinkler 1,000 head	131	Approp.	150 afa	A-13695[b]	1950	Storage and gravity; earth dam 55 feet high, 940 feet long with 179-acre foot reservoir and 350 feet of 8-inch pipe to small pump	3 acres idle in 1959
9N/7W-17C1 Sheet 17	Douglas Clegg, Margaret and J.A Radway	Yellow Jacket Creek	Irrig. Domes. Stock	141 acres by sprinkler 15 connections 120 head (See remarks)	458	Adjud.	--	--	1925	Gravity; small concrete dam 3 feet high, 8 feet long with 150 feet of concrete lined ditch 2.5 feet wide, 1.5 feet deep, dividing into (1) 150 feet of flume 12 inches wide, 8 inches deep to three storage tanks with approximate total capacity of 50,000 gallons, and (2) 0.1 mile of earth ditch 2.5 feet wide, 1.5 feet deep to 5-acre foot reservoir with 0.4 mile of earth ditch to reservoir at 9N/7W-17L1	Former owners: Holmes, Folker, Whitely. Douglas Clegg and Margaret and J. A. Radway have two separate parcels of land and both are under an adjudicated water right. Area irrigated received supplemental supply from 9N/7W-17L1. Part of amount diverted used to supplement 9N/7W-17L1. Eleven acres idle and 14 acres fallow in 1959.
9N/7W-17L1 Sheet 17	Douglas Clegg Towibalyla Dam	Unnamed tributary to Franz Creek	(See remarks)		157 (See remarks)	Approp.	50 af	A-13716[b]	1950	Storage and gravity; earth dam 59 feet high, 480 feet long with 300-acre foot reservoir and 0.1 mile of 6-inch pipe to pump directly connected to distribution system	Purpose and extent of use reported under 9N/7W-17C1. Amount diverted used to supplement 9N/7W-17C1. Amount diverted includes water from 9N/7W-17C1.

For footnotes, see last page of tables

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Middle Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/7W-18B1 Sheet 17	Hooper Jackson	Redwood Creek	Irrig.	51 acres by sprinkler	8	(a)	--	--	Prior 1940	Gravity; earth dam 2 feet high, 8 feet long with 0.3 mile of 6-inch pipe to small reservoir and pump with 1700 feet of 6-inch pipe.	Former owner: A. J. Gallagher.
9N/7W-20N1 Sheet 17	Robert C. Eckart	Unnamed tributary to Franz Creek	Irrig. Rec.	32 acres by sprinkler Fishing, swimming and boating (See remarks)	9	Approp.	30 af	A-14466[b]	1951	Storage and gravity; earth dam 25 feet high, 250 feet long with 4.5-acre reservoir.	Former owner: M. E. Collins. 10 acres idle in 1959.
9N/7W-31Q1 Sheet 17	Allen W. Kettlewell	Franz Creek	Irrig.	(See remarks)	None	Approp.	0.15 cfs	A-1665[b]	1920	Pump; gasoline tractor engine with 0.1 mile of 4-inch pipe.	Former owner: R. S. Kettewell. No diversion in 1959. Formerly irrigated 7 acres by flooding.
9N/8W-3F1 Sheet 17	LaFranchi Brothers	Maacama Creek	Irrig.	(See remarks)	None	Approp.	0.06 cfs	A-12525[b]	1948	Pump; 5-hp motor directly connected to distribution system.	Former owner: J.J. Cornwell No diversion in 1959. Formerly irrigated 6 acres by sprinkler.
9N/8W-3L1 Sheet 17	LaFranchi Brothers	Maacama Creek	Irrig.	26 acres by sprinkler	30	Approp.	0.17 cfs	A-14904[b]	1952	Pump; 5-hp motor directly connected to distribution system.	Former owner: John J. and Pearl B. Cornwell.
9N/8W-3M1 Sheet 17	R. N. Hickman	Unnamed gulch tributary to Maacama	Stock.	40 head	12	Approp.	20.0 afa	A-16077[b]	1954	Storage and gravity; earth dam 25 feet high, 200 feet long with 20-acre foot reservoir and 60 feet of 3-inch pipe to pump with 1.5-inch discharge directly connected to distribution system.	
9N/8W-7D1 Sheet 17	Donal E. Mohn, et al.	Russian River	Irrig.	8 acres by sprinkler	4	Approp.	0.9 cfs	A-13359[b]	1947	Pump; 25-hp motor with 0.8 mile of 8-inch pipe.	Former owner: Russell H. Jr. and Betty Jean Green. 5 acres fallow in 1959.
9N/8W-7N1 Sheet 17	Wallace Johnson Redwood Hereford Ranch	Russian River	Irrig.	261 acres by sprinkler	342	Approp.	1.2 cfs	A-13281[b]	1949	Pump; 60-hp motor with 1.4 miles of 6-inch pipe.	
9N/8W-8H1 Sheet 17	Peter Lowe	Maacama Creek	Irrig.	37 acres by sprinkler	73	Approp.	4.5 afa	A-14841[b]	Approx. 1952	Pump; small rock dam with 15-hp motor and 0.2 miles of 6 and 8-inch pipe.	Former owners: Charles Kreck, Pitts.
9N/8W-11K1 Sheet 17	Jack Radway	Unknown stream tributary to Redwood Creek	Irrig.	124 acres by sprinkler	Not meas.	Riparian	--	--	Prior 1948	Pump; motor, directly connected to distribution system.	
9N/8W-13C1 Sheet 17	Hooper Jackson	Tula Creek	Irrig.	7 acres by sprinkler	Not meas.	Riparian	--	--	1959	Pump; 50-hp gasoline engine directly connected to distribution system.	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Middle Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/8W-16L1 Sheet 17	Peter Lowe	Unnamed ravine tributary to Maacama Creek	Irrig. Rec.	16 acres by sprinkler Fishing	39	Approp.	48 afa	A-14842[b]	1958	Storage and pump; earth dam 15 feet high, 200 feet long with 48-acre-foot reservoir and 15-hp motor directly connected to distribution	
9N/8W-17G1 Sheet 17	Paul B. Young	Maacama Creek	Irrig. Domes.	34 acres by sprinkler, 5 connections	42	Approp.	0.03 cfs	A-14718[b]	1948	Pump; small dam 1 foot high, 16 feet long with short pipe to 30-hp motor and 0.5 mile of 6-inch pipe to 500,000-gallon tank	12 acres idle in 1959.
9N/8W-17N1 Sheet 17	J. E. and Ruth Bowen	Maacama Creek	Irrig.	(See remarks)	None	Approp.	0.13 cfs	A-12850[b]	1948	Pump; 10-hp motor directly connected to distribution system.	Former owners: L. M. Caples, Byron A. and Mac W. Wood. No diversion in 1959. Formerly irrigated 6 acres by sprinkler.
9N/8W-18C1 Sheet 17	Wallace Johnson Redwood Hereford Ranch	Russian River	(See remarks)		242	Approp.	0.32 cfs 0.28 cfs	A-15728[b] A-13182[b]	Prior 1949 1949	Pump; 25-hp motor with 0.4 mile of 6-inch pipe.	Purpose and extent of use reported under 9N/8W-7N1
9N/8W-18G1 Sheet 17	James Petersen	Russian River	Irrig.	7 acres by sprinkler	26	Approp.	8100 gpd 23 afa	A-14715[b]	1946	Pump; 10-hp motor with 0.2 mile of 4-inch pipe.	Former owner: Bob Null
9N/8W-19A1 Sheet 17	Percy Welch	Russian River	Irrig.	42 acrse by sprinkler	19	Approp.	.67 cfs	A-14459[b]	1951	Pump; 40-hp motor with 0.4 mile of 6-inch pipe.	
9N/8W-19J1 Sheet 17	Fred Zanoline	Russian River	Irrig. Stock.	17 acres by sprinkler 95 head	22	Riparian	--	--	1953	Pump; 7.5-hp motor with 300 feet of 2-inch plastic pipe.	Former owner: White.
9N/8W-19J2 Sheet 17	Arnold V. Rasmussen	Russian River	Irrig. Stock.	81 acres by sprinkler 100 head	203	Approp.	0.71 cfs	A-13874[b]	1950	Pump; 40-hp motor with 0.6 mile of 6 and 8-inch pipe.	Former owner: Lattermer. 10 acres idle in 1959.
9N/8W-20A1 Sheet 17	Elmer Axell Axell Dam	Unnamed tributary to Franz Creek	Irrig.	71 acres by sprinkler (See remarks)	53	Approp.	156 afa	A-14735[b]	1952	Storage and pump; earth dam 43 feet high, 355 feet long with 155-foot reservoir and 15-hp motor with 0.4 mile of 6-inch pipe.	Includes 9N/8W-20E1.
9N/8W-20E1 Sheet 17	Elmer Axell	Maacama Crsek	Irrig.	(See remarks)	39	Approp.	0.28 cfs	A-13533[b]	1950	Pump; 25-hp motor with 0.2 mile of 6-inch pipe.	Extent of use reported under 9N/8W-20A1.

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Middle Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/8W-21B1 Sheet 17	A. B. Siri	Franz Creek	Irrig.	61 acres by sprinkler (See remarks)	not meas.	Riparian	--	--	1955	Pump; two gasoline engines each with 2-inch discharges and two 6-inch pipes each one 0.2 mile long	Area irrigated received supplemental supply from 9N/8W-21K1. Includes 9N/8W-21K1
9N/8W-21K1 Sheet 17	A. B. Siri	Unnamed ravine tributary to Franz Creek	Irrig.	(See remarks)	46	(a)	--	--	1956	Storage and gravity; earth dam 55 feet high, 300 feet long with 7-acre reservoir and 0.4 mile of 6-inch pipe	Amount diverted used to supplement 9N/8W-21B1. Extent of use reported under 9N/8W-21B1.
9N/8W-21N1 Sheet 17	James J. Noble	Unnamed tributary to Franz Creek	Stock	95 head	none	Approp.	30 afa	A-14749[b]	1952	Storage and pump; earth and rock dam 18 feet high 210 feet long with 30-acre foot reservoir and 5-hp motor with 0.1 mile of 2.5 inch pipe	
9N/8W-24A1 Sheet 17	Lew W. Cook Dina Bob Lake	Unnamed draw tributary to Franz Creek	Irrig. Stock Rec.	85 acres by sprinkler 1,000 head Fishing & boating	58	Approp.	100 afa	A-15521[b]	1953	Storage and pump; earth dam 33 feet high, 635 feet long with 97-acre foot reservoir and 15-hp motor with 0.2 mile of 6-inch pipe	
9N/8W-28A1 Sheet 17	C. O. Spurgeon	Martin Creek	Irrig. Stock Domes.	3 acres by sprinkler 150 head (c)	not meas.	Approp.	45 afa	A-18948[b]	1952	Storage and gravity; earth dam 40 feet high, 450 feet long with 68-acre foot reservoir and 0.1 mile of 4-inch pipe	
9N/8W-33M1 Sheet 17	Clarence Wright	Unnamed tributary to Brooks Creek	Irrig. Stock Rec.	4 acres by sprinkler 200 head fishing	10	Approp.	28 afa	A-13967[b]	1950	Storage and gravity; earth dam 18 feet high, 220 feet long with 28-acre foot reservoir and 0.2 mile of 2-inch pipe to 15-hp motor with 0.2 mile of 1-inch pipe to one 3,000 and one 5,000-gallon tank	Former owner: Bill Mack
9N/9W-1P1 Sheet 17	Henry Dick	Russian River	Irrig.	123 acres by sprinkler	105	Approp.	0.26 cfs	A-13391[b]	Prior 1910	Pump; 40-hp motor with 0.2 mile of 6 and 8-inch pipe	Former owner: Jessup
9N/9W-2F1 Sheet 17	Grace Brothers Incorporated	Russian River	Irrig.	40 acres by flooding	not meas.	Approp.	0.2 cfs	A-15347[b]	1930	Pump; 27-hp gasoline tractor engine with 0.4 mile of 12-inch pipe	
9N/9W-2F2 Sheet 17	Grace Brothers Incorporated	Russian River	Irrig.	14 acres by sprinkler	37	Approp.	0.69 cfs	A-14777[b]	1952	Pump; 20-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Middle Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/9W-5D1 Sheet 17	Salvation Army Lytton Home	Unnamed springs tributary to Lytton Creek	Domes.	20 connections	36	(a)	--	--	Prior 1920	Gravity; sump with 0.1 mile of 6-inch pipe to two 25,000-gallon tanks with 700 feet of 3-inch pipe to one 43,000 gallon tank	
9N/9W-5J1 Sheet 17	Salvation Army Lytton Home Blue Lake	Unnamed tributary to Russian River	Irrig. Stock	72 acres by sprinkler 92 head	89	Approp.	538 afa	A-16961[b]	1956	Storage and pump; earth dam 30 feet high, 660 feet long with 420-acre foot reservoir and 0.3 mile of 5 and 8-inch pipe	
9N/9W-11D1 Sheet 17	Foppiano Brothers	Unnamed tributary to Russian River	Stock	20 head of sheep	not meas.	(a)	--	--	Prior 1958	Storage; earth dam with 4-acre foot reservoir	
9N/9W-12B1 Sheet 17	Paul and Walter Rued	Russian River	Irrig.	85 acres by sprinkler	131	Approp.	0.95 cfs	A-13331[b]	1909	Pump; 15-hp motor with 0.2 mile of 10-inch pipe	5 acres idle in 1959
9N/9W-13N1 Sheet 17	J. Paul Thompson	Russian River	Irrig. (See remarks)		none	Approp.	0.65 cfs	A-13406[b]	1944	Pump; 5-hp diesel, 7.5-hp motor directly connected to distribution system	Former owners: Cunningham, Sease, Thompson. No diversion from 1957 through 1959. Formerly irrigated 6 acres by sprinkler.
9N/9W-14C1 Sheet 17	Foppiano Brothers	Russian River	Irrig.	49 acres by sprinkler	34	Approp.	0.08 cfs	A-13989[b]	1950	Pump; 15-hp motor directly connected to distribution system	
9N/9W-14D1 Sheet 17	Rio Linda Academy	Russian River	Irrig.	8 acres by sprinkler	2	Approp.	0.13 cfs	A-13468[b]	1949	Pump; gasoline tractor engine directly connected to distribution system	No diversion in 1959. Formerly irrigated 8 acres by sprinkler
9N/9W-15D1 Sheet 17	Emil E. Passalacqua	Russian River	Irrig.	24 acres by sprinkler	not meas.	(a)	--	--	1950	Pump; 10-hp gasoline engine directly connected to distribution system	
9N/9W-15G1 Sheet 17	Rio Linda Academy	Russian River	Irrig.	11 acres by sprinkler	12	Approp.	0.25 cfs	A-13579[b]	1950	Pump; gasoline tractor engine directly connected to distribution system	
9N/9W-15H1 Sheet 17	Emile E. Passalacqua	Russian River	Irrig.	54 acres by sprinkler	not meas.	Approp.	1.2 cfs	A-15233[b]	1952	Pump; 10-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Middle Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/9W-23C1 Sheet 17	Del Rio Woods Recreation District Fitch Mountain Dam	Russian River	Rec.	Swimming and boating	not meas.	Approp.	12.5 cfs	A-15779[b]	1936	Storage; gravel dam 6 feet high, 200 feet long with 900-acre foot reservoir	
10N/7W-20K1 Sheet 15	Barbara Smith	Briggs Creek	Ind. Power	Fish culture 1700 watt Pelton Wheel for trout farm	270	Approp.	0.67 cfs	A-13578[b]	1938	Gravity and storage; earth dam 6 feet high, 12 feet long with 0.5 mile of 4- and 6-inch pipe to seven small reservoirs	
10N/8W-31L1 Sheet 15	Truman H. and Lucile Clark	Combs Creek	Irrig. (See remarks)		none	Approp.	0.37 cfs	A-15075[b]	1943	Pump and gravity; two separate systems; (1) 0.2 mile of 2-inch pipe to 2-acre foot reservoir and (2) 1-hp motor with 0.2 mile of 2-inch pipe to same reservoir. Small pump at reservoir directly connected to distribution system	No diversion in 1959. Formerly irrigated 35 acres by sprinkler
10N/9W-3N1 Sheet 15	Robertson and E. W. Bradford	Unnamed draw tributary to Russian River	Stock	500 head	not meas.	(a)	--	--	Prior 1952	Storage; earth dam 8 feet high, 80 feet long with 2-acre reservoir	Former owners: J. W. Harlsnd, C. Foppiano
10N/9W-18C1 Sheet 15	Leslie McDonald Ploch	Russian River	Irrig.	23 acres by sprinkler	19	Approp.	0.5 cfs	A-8974[b]	Approx. 1937	Pump; 10-hp motor with 0.2 mile of 4-inch pipe	Former owner: Hugh Stockham
10N/9W-18C2 Sheet 15	Harland B. Remmel	Russian River	Irrig.	12 acres by sprinkler	34	Approp.	0.125 cfs	A-13758[b]	Prior 1925	Pump; 10-hp motor directly connected to distribution system	
10N/9W-18C3 Sheet 15	Earl Douglass	Russian River	Irrig. Stock	43 acres by sprinkler 250 head	107	Riparian	--	--	1951	Pump; 25-hp motor directly connected to distribution system	Former owner: Cecil Moss
10N/9W-23J1 Sheet 15	William D. Dana	Unnamed ravine tributary to Russian River	Irrig.	35 acres by sprinkler	not meas.	(a)	--	--	1950	Storage and pump; earth dam 26 feet high, 285 feet long with 3.5-acre reservoir and 10-hp motor with 0.6 mile of 4-inch pipe	Former owner: Berretts
10N/9W-23L1 Sheet 15	Flora T. Johnson and Helen J. Gardner	Gird Creek	Irrig. Stock	12 acres by sprinkler 45 head	not meas.	Riparian	--	--	Prior 1950	Pump; 6-hp gasoline engine directly connected to distribution system	Former owner: Joseph McGorran

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Middle Russina River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
10N/9W-23P1 Sheet 15	Robert Young	Unnamed ravine tributary to Russian River	Irrig. Stock	6 acres by sprinkler 100 head	12	(a)	--	--	Approx. 1950	Storage and pump; earth dam 15 feet high, 60 feet long with 2-acre reservoir and 7.5-hp motor directly connected to distribution system	
10N/9W-25E1 Sheet 15	Robert Young	Unnamed tributary to Russian River	Irrig.	75 acres by flooding	3	(a)	--	--	1954	Storage and gravity; earth dam 20 feet high, 50 feet long with 1.5 acre reservoir and 200 feet of 5-inch pipe	
10N/9W-28G1 Sheet 15	M. A. Drake	Russian River	Irrig.	58 acres by sprinkler	not meas.	Approp.	0.28 cfs	A-14033[b]	1950	Pump; 30-hp motor directly connected to distribution system	
10N/10W-4B1 Sheet 14	Italian Swiss Colony Winery	Unnamed tributary to Russian River	Irrig.	8 acres by sprinkler	69	Approp.	101 afa	A-15854[b]	1954	Storage and gravity;earth dam 34 feet high, 900 feet long with 100-acre foot reservoir and short pipe to butane engine directly connected to distribution system	
10N/10W-11G1 Sheet 14	Edward Pratti	Russian River	Irrig.	9 acres by sprinkler	3	Approp	0.8 cfa	A-20624	Prior 1958	Pump; 25-hp motor directly connected to distribution system	
11N/10W-5M1 Sheet 13	L. L. and Lena Tyler	Russian River	Irrig.	26 acres by flooding	90	Approp.	0.31 cfs	A-16351[b]	Prior 1947	Pump; 10-hp motor with 0.2 mile of 8-inch pipe	Former owner: Hashegan
11N/10W-5M2 Sheet 13	Lyall T. Neat	Russian River	Irrig.	7 acres by sprinkler	13	Approp.	0.06 cfs	A-16141[b]	1952	Pump; 3-hp motor directly connected to diatribution system	
11N/10W-6C1 Sheet 13	Golden Rule Church Assoc.	Russian River	Irrig.	3 acres by sprinkler	11	Approp.	0.35 cfs	A-11846[b]	1947	Pump; 15-hp motor with 0.1 mile of 6-inch pipe	
11N/10W-6R1 Sheet 13	H. S. Chandler	Russian River	Irrig.	6 acres by sprinkler	not meas.	Approp.	0.06 cfs	A-16365[b]	1955	Pump; 10-hp motor with 0.2 mile of 3 inch pipe	
11N/10W-28L1 Sheet 13	Italian Swiss Colony Winery	Russian River	Irrig.	575 acres by sprinkler	not meas.	(a)	--	--	1955	Pump; butane engine with 3-inch discharge and 0.3 mile of 6-inch pipe	

For footnotes, see past page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Middle Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
11N/10W-28L2 Sheet 13	James Black	Russian River (well)	Irrig.	45 acres by sprinkler	not meas.	Approp.	1.0 cfs	A-16404	1955	Pump; 25-hp motor directly connected to distribution system	
11N/10W-32C1 Sheet 13	Frances M. Boucher	Rain Creek	Dom. Rec.	9 connections Fishing & boating	not meas.	(a)	--	--	1959	Storage; earth dam 24 feet high, 200 feet long with 8-acre reservoir	Water percolates and is picked up in wells a short distance away.
11N/10W-34Q1 Sheet 13	Wesley B. Clay	Russian River	Irrig. Stock	37 acres by sprinkler 60 head	not meas.	Approp.	1.0 cfs	A-15664[b]	1952	Pump; 15-hp motor with 0.4 mile of 6-inch pipe	Former owner: Black
11N/11N-36J1 Sheet 12	Phillip A. Kennedy	Unnamed tributary to Russian River	Irrig. Stock	23 acres by sprinkler 450 head	not meas.	Approp.	28 afa	A-12951[b]	1949	Storage and gravity; earth and rock dam 15 feet high 225 feet long with 7-acre reservoir and 0.6 mile of 12-inch pipe	Former owner: Newman
12N/11W-25E1 Sheet 10	Jesse F. McCutchan	Russian River	Irrig.	17 acres by sprinkler	25	Approp.	0.2 cfa	A-15983[b]	Prior 1935	Pump; 7.5-hp motor directly connected to distribution system	Former owner: Charles Edwards
12N/11W-25E2 Sheet 10	Walter L. Haehl	Russian River	Irrig.	7 acres by sprinkler	7	Approp.	0.025 cfs	A-16334[b]	1954	Pump; 10-hp motor directly connected to distribution system	
					DRY CREEK SUBUNIT						
8N/9W-6B1 Sheet 19	Arthur N. and Ruth L. Folger	Felta Creek	Irrig.	3 acres by sprinkler	5	Approp.	9,000 gpd	A-12336[b]	1910	Pump; concrete and wood dam with 3-hp motor and 0.2 mile of 3-inch pipe	Former owner: Robbins, Roy Wood
8N/10W-4Q1 Sheet 18	Harold R. Sanns	Palmer Creek	Irrig.	13 acres by sprinkler	23	Riparian	--	--	Prior 1955	Pump; concrete and wood dam with 5-hp motor directly connected to distribution system	Former owner: Brewer
9N/9W-6D1 Sheet 17	Albert B.Johnson	Unnamed gulch tributary to Dry Creek	Irrig. Stock Rec.	3 acres by sprinkler 33 head Fishing	5	Approp.	16 afa	A-17098[b]	1956	Storage and pump; earth dam 21 feet high, 125 feet long with 16-acre foot reservoir and 3.5-hp gasoline engine directly connected to distribution system	

For footnotes, see past page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Dry Creek Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/9W-6D2 Sheet 19	Joseph W. Salz	Unnamed gulch tributary to Dry Creek	Irrig. Rec.	8 acres by sprinkler Fishing	23	Approp.	20 afa	A-17263[b]	1956	Storage and pump; earth dam 25 feet high, 200 feet long with 25-acre foot reservoir and 5-hp motor directly connected to distribution system	
9N/9W-6L1 Sheet 17	Edward Norton	Unnamed draw tributary to Dry Creek	(See remarks)	Fire protection	not meas.	Approp.	36 afa	A-19241[b]	1958	Storage; earth dam 25 feet high, 75 feet long with 16-acre foot reservoir	This reservoir is leased from Norton by the U. S. Forest Service. Water right not current.
9N/9W-6P1 Sheet 17	Fred M. Lencioni	Unnamed gulch tributary to Dry Creek	Rec.	Fishing	not meas.	Approp.	30 afa	A-15624[b]	1953	Storage; earth dam 25 feet high, 220 feet long with 30-acre foot reservoir	
9N/9W-7B1 Sheet 17	Lewis M. Norton	Unnamed gulch tributary to Dry Creek	Irrig. Stock Rec.	22 acres by sprinkler 200 head Fishing	not meas.	Approp.	102 af	A-17237[b]	1956	Storage and pump; earth dam 35 feet high, 400 feet long with 100-acre foot reservoir and gasoline engine with 2-inch discharge directly connected to distribution system	
9N/9W-7M1 Sheet 17	Ernest H. Witbro	Dry Creek	Irrig.	16 acres by sprinkler	16	Riparian	--	--	Prior 1955	Pump; 7.5-hp gasoline engine directly connected to distribution system (See remarks)	Former owner: A. Derrick This diversion system also used at 9N/9W-7N1.
9N/9W-7N1 Sheet 17	Kenneth Hess	Dry Creek	Irrig.	7 acres by sprinkler	18	Riparian	--	--	1958	(See remarks)	Used diversion system of 9N/9W-7M1.
9N/9W-29C1 Sheet 17	Harvey Taylor Gravel Company	Dry Creek	Indus.	Gravel plant	not meas.	Riparian	--	--	1955	Pump; 15-hp motor with 100 feet of 4-inch pipe	
9N/9W-30M1 Sheet 17	C. H. Rickman	Mill Creek	Irrig.	28 acres by sprinkler	38	Approp.	0.19 cfs	A-4612[b]	1925	Gravity; concrete and wood dam 5 feet high, 35 feet long with 375 feet of 12-inch pipe to 10-hp motor directly connected to distribution system	
9N/9W-31C1 Sheet 17	Vad Jelton	Mill Creek	Irrig. Stock Dom.	18 acres by sprinkler 75 head (c)	27	Approp.	11,300 gpd	A-11327[b]	1946	Pump; 7.5-hp motor with 0.1 mile of 5-inch pipe	Former owner: Floyd

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Dry Creek Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
9N/9W-31J1 Sheet 17	Harold Schmidt	Mill Creek	Irrig. Rec.	10 acres by sprinkler Swimming	24	Approp.	--	--	Prior 1900	Gravity; small concrete and rock dam with 0.3 mile of 4-inch pipe	Former owners: Motthorn, McNear, Dodson
9N/10W-1M1 Sheet 16	Therman Howe	Dry Creek	Irrig.	10 acres by sprinkler	11	Approp.	0.45 cfs	A-17551[b]	1957	Pump; 10-hp motor directly connected to distribution system	
9N/10W-2C1 Sheet 16	Jack Mounts	Dry Creek	Irrig.	36 acres by sprinkler	22	Approp.	1.0 cfs	A-16524[b]	1955	Pump; 30-hp motor with 0.7 mile of 6-inch pipe	9 acres idle in 1959
9N/10W-2G1 Sheet 16	Paul LeBaron	Dry Creek	Irrig.	145 acres by sprinkler	66	Approp.	0.59cfs	A-14055[b]	1920	Pump; 6-inch discharge with 0.2 mile of 6-inch pipe	Former owner: O. J. LeBaron
9N/10W-2G2 Sheet 16	Carl F. Nelson	Dry Creek	Irrig.	30 acres by sprinkler	25	Approp.	0.75 cfs	A-17056[b]	1946	Pump; 10-hp motor with 0.2 mile of 6-inch pipe	5 acres idle in 1959
9N/10W-2H1 Sheet 16	Americo Rafanelli	Dry Creek	Irrig.	75 acres by aprinkler	14	Approp.	0.75 cfs	A-16777[b]	1955	Pump; 10-hp gasoline engine directly connected to distribution system	
9N/10W-2H2 Sheet 16	Carl F. Nelson	Dry Creek	Irrig.	25 acres by sprinkler	32	Approp.	0.75 cfs	A-17056[b]	1950	Pump; 15-hp motor with 0.2 mile of 6-inch pipe	
9N/10W-12C1 Sheet 16	Lissauer and Myer	Dry Creek	Irrig.	24 acres by sprinkler	3	Riparian	--	--	1959	Pump; 30-hp propane engine directly connected to distribution system	Former owner: Robert Hartsock
9N/10W-25F1 Sheet 16	C. H. Caspersen	Wallace Creek	Irrig.	(See remarks)	0	Riparian	--	--	1956	Pump; 8-hp gasoline engine directly connected to distribution system	No diversion in 1959. Formerly irrigated 3 acres by sprinkler
10N/10W-9E1 Sheet 14	D. C. Oakleaf	Dutcher Creek	Irrig.	8 acres by sprinkler	4	Riparian	--	--	1952	Pump; motor with 1-inch discharge directly connected to distribution system	
10N/10W-15H1 Sheet 14	Peter Roman	Unnamed gulch tributary to Dry Creek	Rec. Stock	Fishing & swimming 18 head	11	Approp.	15 afa	A-16218[b]	1954	Storage and pump; earth dam 30 feet high, 200 feet long with 15 acre-foot reservoir	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Dry Creek Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
10N/10W-18G1 Sheet 14	Ben Henderlong	Dry Creek	Irrig.	7 acres by flooding and sprinkler	not meas.	(a)	--	--	1925	Pump; 5-hp motor directly connected to distribution system	Former owner: Winters Property on proposed axis of Dry Creek Dam (Army Corps of Engineers)
10N/10W-21B1 Sheet 14	Walter G. Bell	Dry Creek	Irrig.	46 acres by sprinkler	30	Riparian	--	--	about 1925	Pump; 10-hp motor directly connected to distribution system	Former owner: George S. Bell
10N/10W-21C1 Sheet 14	Mrs. A. DelCarlo	Dry Creek	Irrig.	40 acres by sprinkler	10	Riparian	--	--	1946	Pump; 25-hp gasoline engine directly connected to distribution system	
10N/10W-22L1 Sheet 14	Grace, Fred, & Robert Hartsook	Dry Creek	Irrig.	23 acres by sprinkler	4	Riparian	--	--	1955	Pump; gasoline engine with 3-inch discharge and 0.4 mile of 4-inch pipe	
10N/10W-22L2 Sheet 14	Albert Glazer	Dry Creek	Irrig.	50 acres by sprinkler	not meas.	(a)	--	--	1957	Pump; 10-hp motor directly connected to distribution system	
10N/10W-35M1 Sheet 14	Henry Witbro	Dry Creek	Irrig.	26 acres by sprinkler	6	Approp.	0.14 cfs	A-13914[b]	1950	Pump; 7.5-hp gasoline engine directly connected to distribution system	
10N/10W-35N1 Sheet 14	Timber Crest Farms Ronald Waltenspiel	Dry Creek	Irrig.	33 acres by sprinkler	54	Riparian	--	--	1955	Pump; 15-hp motor with 0.8 mile of 6-inch pipe	14 acres fallow in 1959
10N/11W-12P1 Sheet 14	Walter Nutter	Dry Creek	Irrig.	16 acres by flooding	17	Riparian	--	--	1955	Pump; gasoline tractor engine with 470 feet of 6-inch pipe	
11N/11W-20D1 Sheet 12	Dorsey H. McLaughlin	Unnamed springs tributary to Dry Creek	Irrig. Rec.	10 acres by sprinkler swimming	not meas.	Riparian	--	--	1958	Gravity; wood box with 0.2 mile of 2.5 and 3-inch pipe to small reservoir and pump directly connected to distribution system	
11N/11W-21R1 Sheet 12	Dorsey H. McLaughlin	Cherry Creek	Irrig.	15 acres by sprinkler	not meas.	Riparian	--	--	1951	Pump; 10-hp motor with 0.3 mile of 3-inch pipe	

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Dry Creek Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
11N/11W-30A1 Sheet 12	Dorsey H. McLaughlin	Dry Creek	Irrig.	11 acres by flooding	not meas.	Riparian	--	--	1951	Pump; 21-hp gasoline engine with 280 feet of 6-inch pipe	
11N/11W-33D1 Sheet 12	Mary E. Wilen	Dry Creek	Irrig.	12 acres by sprinkler	14	Approp.	0.20 cfs	A-15797[b]	1954	Pump; 15-hp gasoline tractor engine directly connected to distribution system	Former owner: John A. Wilen
12N/12W-8Q1 Sheet 10	C. C. Prather	Unnamed tributary to Dry Creek	Irrig.	3 acres by sprinkler	not meas.	Riparian	--	--	1951	Pump; 15-hp motor directly connected to distribution system	
12N/12W-15Q1 Sheet 10	Samuel L. and Noreen Wilson	Dry Creek	Irrig.	4 acres by sprinkler	not meas.	Riparian	--	--	Prior 1950	Pump; 25-hp gasoline engine directly connected to distribution system	
						MARK WEST SUBUNIT					
7N/9W-10B1 Sheet 21	Russell L. Penner	Mark West Creek	Irrig.	98 acres by sprinkler (See remarks)	19	Approp.	0.33 cfs	A-12510[b]	1946	Pump; gasoline engine with 4-inch discharge directly connected to distribution system	50 acres idle in 1959
7N/9W-16A1 Sheet 21	L. K. Land	Unnamed tributary to Laguna de Santa Rosa	Irrig.	7 acres by sprinkler	not meas.	Riparian	--	--	Prior 1951	Pump; 10-hp motor directly connected to distribution system	
7N/9W-16A2 Sheet 21	L. K. Land	Unnamed tributary to Laguna de Santa Rosa	Irrig.	6 acres by sprinkler	not meas.	Approp.	0.03 cfs	A-13696[b]	1950	Pump; 5.5-hp motor directly connected to distribution system	
8N/7W-7R1 Sheet 20	Marine Cook and Steward Union	Unnamed draw tributary to Porter Creek	Rec.	Swimming and fishing	not meas.	(a)			1953	Storage; earth dam 24 feet high, 100 feet wide with 12 acre-foot reservoir	
8N/7W-16D1 Sheet 20	Richard C. Smith	Unnamed draw tributary to Porter Creek	Rec.	Swimming, boating, fishing	not meas.	(a)			1956	Storage; earth dam 24 feet high, 300 feet long with 2-acre reservoir	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Mark West Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/7W-18E1 Sheet 20	Peter Pelm	Mark West Creek	Irrig. Stock	3 acres by sprinkler 35 head	not meas.	Approp.	0.01 cfs	A-11896[b]	1947	Storage and pump; concrete and flashboard dam 10 feet high, 26 feet long with 10 acre-foot reservoir and 4-hp gasoline engine directly connected to distribution system	
8N/7W-19R1 Sheet 20	Agnes Blewitt	Mill Creek	Stock	120 head	not meas.	(a)	--	--	1953	Storage; earth dam 20 feet high, 175 feet long with 60 acre-foot reservoir	
8N/7W-20E1 Sheet 20	Lavone C. Priest	Mark West Creek	Irrig. Stock	9 acres by sprinkler 30 head	6	Approp.	0.22 cfs	A-14079[b]	1950	Pump; 5-hp motor with 375 feet of 4-inch pipe	
8N/7W-27H1 Sheet 20	R. B. Nawman	Unnamed draw tributary to Mark West Creek	Stock	200 head	(See remarks)	Approp.	24.5 afa	A-15720[b]	1952	Storage; earth dam 25 feet high, 450 feet long with 3-acre reservoir and 300 feet of 3-inch pipe to 8N/7W-27H2	This diversion also supplements 8N/7W-27H2. Amount diverted reported under 8N/7W-27H2
8N/7W-27H2 Sheet 20	R. B. Nawman	Mark West Creek	Irrig.	21 acres by sprinkler (See remarks)	8	Riparian	--	--	1952	Pump; 7.5-hp motor directly connected to distribution system	Area irrigated received supplemental supply from 8N/7W-27H1
8N/7W-29B1 Sheet 20	A. W. Sloat	Mark West Creek	Irrig.	8 acres by sprinkler	1	Approp.	0.125 cfs	A-14379	1951	Pump; 7-hp gasoline engine with 450 feet of 3-inch pipe	5 acres idle in 1957
8N/8W-1N1 Sheet 19	Sidney Garfield	Unnamed draw tributary to Porter Creek	Rec.	Swimming	not meas.	Approp.	30 afa	A-18192[b]	1958	Storage and gravity; earth dam 24 feet high, 800 feet long with 43 acre-foot reservoir	
8N/8W-5K1 Sheet 19	Mary Gubbins Larkin	Unnamed ravine tributary to Pool Creek	Irrig. Stock Rec.	5 acres by sprinkler 60 head swimming	8	Approp.	65 afa	A-15194[b]	1953	Storage and pump; earth dam 20 feet high, 240 feet long with 3-acre reservoir and 15 hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Mark West Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/8W-6R1 Sheet 19	George Greeott	Unnamed stream tributary to Windsor Creek	Irrig.	9 acres by sprinkler (See remarks)	20	Approp.	100 afa	A-14364[b]	1951	Storage and gravity; earth dam 40 feet high, 170 feet long with 100 acre-foot reservoir and 0.2 mile of 6-inch pipe to 7.5-hp motor directly connected to distribution system	4 acres idle in 1959
8N/8W-7C1 Sheet 19	Stanley D. Arata	Unnamed stream tributary to Windsor Creek	Irrig.	13 acres by sprinkler	20	Approp.	30 afa	A-14107[b]	1950	Storage and pump; earth dam 23 feet high, 200 feet long with 40 acre-foot reservoir and 5-hp motor with 200 feet of 2-inch pipe	
8N/8W-27Q1 Sheet 19	Eugene Suacci	Mark West Creek	Irrig.	16 acres by sprinkler	not meas.	(a)			Prior 1900	Pump; small gravel dam with 7.5-hp motor directly connected to distribution system	
8N/8W-29K1 Sheet 19	Ira F. and Edith Brown	Mark West Creek	Irrig.	36 acres by sprinkler	24	Approp.	0.08 cfs	A-12931[b]	Prior 1947	Pump; 7.5-hp motor directly connected to distribution system	Former owner: Mattocks
8N/8W-30Q1 Sheet 19	A. Oilardoni	Mark West Creek	Irrig. Stock	104 acres by sprinkler 125 head (See remarks)	25	Approp.	0.37 cfs	A-13376[b]	1940	Pump; 15-hp motor directly connected to distribution system	Extent of use and amount diverted includes 8N/8W-31C1
8N/8W-31C1 Sheet 19	A. Oilardoni	Mark West Creek	Irrig. (See remarks)		none	Approp.	0.37 cfs	A-13376[b]	1940	Pump; 15-hp motor directly connected to distribution system	No diversion in 1959. Area irrigated received water from 8N/8W-30Q1. Extent of use reported under 8N/8W-30Q1
8N/8W-34K1 Sheet 19	J. M. Salinger	Unnamed stream tributary to Mark West Creek	Irrig.	3 acres by sprinkler	22	Approp.	46 afa	A-14870[b]	1952	Storage and pump; earth dam 43 feet high, 285 feet long with 45 acre-foot reservoir and 10-hp motor directly connected to distribution system	
8N/9W-1H1 Sheet 19	William G. Wilson	Unnamed ravine tributary to Windsor Creek	Irrig.	12 acres by sprinkler	32	Approp.	133 afa	A-15603[b]	1953	Storage and gravity; earth dam 42 feet high, 295 feet long with 33 acre-foot reservoir and earth ditch, 1 foot wide and 1 foot deep to 5-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Mark West Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/9W-1K1 Sheet 19	Joseph Bottasso	Unnamed ravine tributary to Windso Creek	Irrig.	30 acres by sprinkler (See remarks)	32	Approp.	0.07 cfs 0.12 afa	A-13958[b] A-16106[b]	1950	Storage and pump; earth dam 25 feet high, 200 feet long with 35 acre-foot reservoir and 5-hp motor directly connected to distribution system	Extent of use and amount diverted includes 8N/9W-1Q1
8N/9W-1Q1 Sheet 19	Joseph Bottasso	Windsor Creek	Irrig.	(See remarks)		Approp.	23 afa	A-16106[b]	1949	Pump; small concrete and wood dam with 2-hp motor directly connected to distribution	Extent of use and amount diverted reported under 8N/9W-1K1
8N/9W-22A1 Sheet 19	A. O. Buhler	Unnamed tributary to Windsor Creek	Irrig.	170 acres by sprinkler	7	(a)			1954	Storage and gravity; earth dam 25 feet high, 220 feet long with 3.5-acre reservoir and 0.2 mile of 3-inch pipe to 5-hp motor directly connected to distribution system	Former owner: Marquis
8N/9W-34F1 Sheet 19	John Williams Jack Jenson and A. A. Muchow	Windsor Creek	Irrig.	85 acres by sprinkler (See remarks)	80	Riparian	--	--	1953	Pump; 7.5-hp motor directly connected to distribution system	8 acres idle in 1959
8N/9W-35G1 Sheet 19	Eugene Slusser	Unnamed draw tributary to Mark West Creek	Irrig.	5 acres by sprinkler	not meas.	(a)	--	--	1959	Storage and pump; earth dam 30 feet high, 400 feet long with 42 acre-foot reservoir and 10-hp motor directly connected to distribution system	
8N/9W-35Q1 Sheet 19	Eugene Slusser	Mark West Creek	Irrig.	80 acres by springkler and flooding	8	Riparian	--	--	1900	Pump; 10-hp motor directly connected to distribution system	
8N/9W-35Q2 Sheet 19	Eugene Slusser	Mark West Creek	Irrig. (See remarks)		none	Riparian	--	--	Prior 1950	Pump; 7.5-hp motor directly connected to distribution system	No diversion in 1959. Formerly irrigated 66 acres by sprinkler
9N/8W-31E1 Sheet 17	Dorothy W. Atkinson	Unnamed tributary to Windsor Creek	Irrig.	7 acres by sprinkler	18	Approp.	20 afa	A-15515[b]	1953	Storage and pump; earth dam 25 feet high, 200 feet long with 30 acre-foot reservoir and 7.5-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
						SANTA ROSA SUBUNIT					
6N/7W-2M1 Sheet 24	Gilbert Walker	Unnamed draw tributary to Matanzas Creek	Irrig. Stock	11 acres by sprinkler 20 head	18	Riparian	--	--	1950	Storage and gravity; earth dam 24 feet high, 250 feet long with 40 acre-foot reservoir and 120 feet of 4-inch pipe	
6N/7W-3J1 Sheet 24	Gilbert Walker	Unnamed draw tributary to Matanzas Creek	Irrig. Stock	16 acres by sprinkler 70 head	37	Approp.	35 afa	A-13221[b]	1949	Storage and pump; earth dam 24 feet high, 300 feet long with 45 acre-foot reservoir and 5-hp motor directly connected to distribution system	
6N/7W-4B1 Sheet 24	Oscar M. Powell	Unnamed stream tributary to Matanzas Creek	Stock	40 head	not meas.	Approp.	7.0 afa	A-14092[b]	1950	Storage; earth dam 15 feet high, 350 feet long with 1.5 acre reservoir	
6N/7W-4R1 Sheet 24	Beck Brothers	Unnamed stream tributary to Matanzas Creek	Irrig. Rec.	16 acres by sprinkler Fishing	38	Approp.	15 afa	A-16190[b]	1952	Storage and pump; earth dam 24 feet high, 400 feet long with 45 acre-foot reservoir and 7.5-hp motor directly connected to distribution system	
6N/7W-6J1 Sheet 24	D. E. Carithers	Unnamed stream tributary to Laguna de Santa Rosa	Stock	230 head	not meas.	Approp.	12 afa	A-12100[b]	1950	Storage; earth dam 25 feet high, 125 feet long with 1 acre reservoir	Former owner: Savory
6N/7W-23J1 Sheet 24	Cleve A. Duerson	Unnamed springs tributary to Matanzas Creek	Irrig. Stock Dom.	8 acres by sprinkler 15 head (c)	6	(a)	--	--	1950	Storage and pump; esrth dam 15 feet high, 200 feet long with 1 acre reservoir and 3-hp motor directly connected to distribution system	
7N/7W-5K1 Sheet 27	Annabel L. Lagomarsino	Unnamed stream tributary to Ducker Creek	Irrig. Stock Rec.	4 acres by sprinkler 500 head Fishing	6	Approp.[d]	11.10 afa 3.9 afa	A-12135[b] A-15230	1947	Storage and pump; earth dam 25 feet high, 200 feet long with 17 acre-foot reservoir and 3-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Santa Rosa Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/7W-8B1 Sheet 22	Joseph Massini	Unnamed stream tributary to Ducker Creek	Irrig.	3 acres by sprinkler	9	(a)			1953	Storage and pump; earth dam 4 feet high, 400 feet long with 23-acre foot reservoir and 3-hp motor directly connected to distribution system	
7N/7W-9H1 Sheet 22	Theodore S. Stashak	Unnamed stream tributary to Santa Rosa Creek	Rec. Stock	Fishing & swimming 11 head	not meas.	Approp.	15 afa	A-13539[b]	1950	Storage and gravity; earth dam 25 feet high, 200 feet long with 20-acre foot reservoir	Former owner: Leggrerines
7N/7W-14Q1 Sheet 22	Kenton Smith	Unnamed draw tributary to Santa Rosa Creek	Irrig. Rec.	14 acres by sprinkler Fishing & swimming	8	Approp.	30 afa	A-14797[b]	1951	Storage and pump; earth dam 24 feet high, 280 feet long with 15-acre foot reservoir and 5-hp motor directly connected to distribution system	
7N/7W-16B1 Sheet 22	City of Santa Rosa	Santa Rosa Creek	Mun.	(See remarks)	1,763	Approp.	--	--	Prior 1900	Gravity; small diversion dam with 1.6 miles of 24-inch pipe and 0.2 mile of earth ditch to reservoir at 7N/7W-18H1	Former owners: McDonald System, Santa Rosa Water Works, Loveland Engineers. No municipal use after 7-1-59. Same as 7N/7W-18H1 July-December 1959.
7N/7W-18H1 Sheet 22	City of Santa Rosa Lake Ralphine	Unnamed draw tributary to Santa Rosa Creek	Rec. (See remarks)	Swimming, fishing	not meas.	Approp.	--	--	1878	Storage; earth dam 30 feet high, 1,000 feet long with 414-acre foot reservoir	Former owners: McDonald System, Santa Rosa Water Works, Loveland Engineers. Previously used for the City of Santa Rosa municipal water aupply until 1959.
7N/7W-23A1 Sheet 22	Estate of Paul X. Smith	Unnamed draw tributary to Santa Rosa Creek	Irrig. Stock	13 acres by sprinkler 3,000 head	29	Approp.	48 af	A-19422	1951	Storage and pump; earth dam 40 feet high, 100 feet long with 87-acre foot reservoir and 3-hp motor directly connected to distribution system	
7N/7W-24C1 Sheet 22	Estate of Paul X. Smith	Unnamed draw tributary to Santa Rosa Creek	(See remarks)		(See remarks)	Riparian	--	--	1955	Gravity; small diversion dam with 0.2 mile of earth ditch 4 feet deep, 10 feet wide to reservoir at 7N/7W-24D1	Purpose, extent of use, and amount diverted reported under 7N/7W-24D1
7N/7W-24D1 Sheet 22	Estate of Paul X. Smith	Unnamed draw tributary to Santa Rosa Creek	Irrig. Stock	38 acres by sprinkler 300 head	71 (See remarks)	Approp.	103 afa 65 afa	A-16478[b] A-16904[b]	1955	Storage and pump; earth dam 43 feet high, 180 feet long with 110-acre foot reservoir and 5-hp motor directly connected to distribution system	Includes water diverted by 7N/7W-24C1

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Santa Rosa Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/7W-28H1 Sheet 22	Hillcone Steamship Company Annadel Dam	Spring Creek	Stock Rec.	300 head Fishing & boating	not meas.	Approp.	415 afa	A-16527[b]	1955	Storage; concrete faced earth dam 40 feet high, 300 feet long with 475-acre foot reservoir	
7N/8W-2F1 Sheet 22	R. H. Walter Pountain Grove Dam	Unnamed ravine tributary to Mark West Creek	Irrig.	166 acres by sprinkler	320	Approp.	433 afa	A-14966[b]	1952	Storage and pump; earth dam 38 feet high, 500 feet long with 470-acre foot reservoir and 7.5-hp motor with 1.0 mile of 8-inch pipe	Former owner: S. Bechold
7N/8W-3J1 Sheet 22	W. L. Armatrong	Unnamed stream tributary to Santa Rosa Creek	Irrig. Rec.	50 acres by sprinkler Fishing, swimming, and boating	2	(a)			1950	Storage and pump; earth dam 12 feet high, 250 feet long with 10-acre foot reservoir and 3-hp motor directly connected to distribution system	
7N/8W-17N1 Sheet 22	Petersen Farms	Santa Rosa Creek	Irrig.	67 acres by flooding & sprinkler	23	Approp.	1.0 cfs	A-15948[b]	195[illegible]	Pump; 20-hp motor directly connected to distribution system	Former owner: Harry Rasmussen
7N/8W-18H1 Sheet 22	Harry Rasmussen	Santa Rosa Creek	Irrig.	102 acres by flood- and sprinkler	127	Approp.	650 gpm	A-15404[b]	1953	Pump; 15-hp motor with 0.2 mile of earth ditch 2 feet deep, 3 feet wide	
7N/8W-18N1 Sheet 22	Windel Dairy	Santa Rosa Creek	Irrig.	328 acres by sprinkler	58	Approp.	2.09 cfs	A-13330[b]	1949	Pump; 15-hp motor directly connected to distribution system	Former owners: Sherman, Santel
7N/8W-20C1 Sheet 22	Warda Investment Company	Santa Rosa Creek	Irrig.	41 acres by sprinkler	43	Riparian	--	--	1958	Pump; 15-hp motor directly connected to distribution system	Former owner: Amprosini
7N/8W-21E2 Sheet 22	Romillo J.Caselli and W. S. Peterson	Santa Rosa Creek	Irrig.	38 acres by sprinkler	60	Approp.	0.42 cfs	A-18710[b]	1954	Pump; 10-hp motor directly connected to distribution system	
7N/8W-22K1 Sheet 22	C. E. Carlson	Santa Rosa Creek	Irrig.	37 acres by flooding	82	Approp.	0.31 cfs	A-1029[b]	1901	Pump; 10-hp motor directly connected to distribution system	Former owner: Joe Imwalle, Sr., Joe Imwalls, Jr.
7N/8W-22L1 Sheet 22	Warren Dutton	Santa Rosa Creek	Irrig.	22 acres by sprinkler	26	Riparian	--	--	1955	Pump; small gravel dam and 15-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Santa Rosa Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/9W-13P1 Sheet 21	Paul Christenson	Santa Rosa Creek	Irrig.	16 acres by sprinkler	117	Riparian	--	--	1957	Pump; 5-hp motor directly connected to distribution system	
7N/9W-13P2 Sheet 21	Chris Ketelsen	Santa Rosa Creek	Irrig.	80 acres by sprinkler	83	Riparian	--	--	1940	Pump; 20-hp motor with 0.3 mile of 6-inch pipe	
7N/9W-14M1 Sheet 21	Elinore and Gus Luers	Santa Rosa Creek	Irrig.	24 acres by sprinkler	10	Approp.	3.0 cfs	A-18146[b]	1940	Pump; gasoline engine with 5-inch discharge directly connected to distribution system	
					LAGUNA SUBUNIT						
6N/7W-17B1 Sheet 24	T. Alpin	Unnamed tributary to Five Creek	Irrig.	(See remarks)	none	Approp.	0.35 cfs	A-17079[b]	1952	Gravity and storage; wood intake box with 0.6 mile of 6-inch pipe to sump and 7.5 hp motor directly connected to distribution system	No diversion in 1959. Formerly irrigated 13 acres by sprinkler
6N/7W-21H1 Sheet 24	George F. Orr	Unnamed tributary to Crane Creek	Irrig.	9 acres by sprinkler	14	Approp.	32 afa	A-17919[b]	1957	Storage and pump; earth dam 20 feet high, 450 feet long with 30 acre-foot reservoir and 5 hp motor with 0.2 mile of 6-inch pipe	
6N/7W-22P1 Sheet 24	Ransom Cook	Unnamed tributary to Crane Creek	Irrig.	8 acres by sprinkler	14	(a)	--	--	1955	Storage and pump; earth dam 25 feet high, 100 feet long with 15-acre-foot reservoir and 10 hp motor directly connected to distribution system	
6N/7W-26F1 (export) Sheet 24	California Water Service Company	Copeland Creek	Export	(See remarks)	not meas.	Approp.	1.0 cfs	A-10733[b]	1907	Gravity; concrete dam 4 feet high, 25 feet long with 8-inch pipeline to outside of hydrographic unit	Former owner: Petaluma Power and Water Company. Water exported outside of Russian River Hydrographic Unit for use in Petaluma area.
6N/8W-7K1 Sheet 24	Stanley C. Bengston	Laguna de Santa Rosa	Irrig. Stock	(See remarks)	none	Approp.	0.11 cfs	A-13586[b]	1948	Pump; 5 hp motor directly connected to distribution system	No diversion in 1959. Formerly irrigated 45 acres by sprinkler and watered 300 head stock
6N/9W-12A1 Sheet 23	Annabel Lagomarsino	Laguna de Santa Rosa	Irrig.	57 acres by sprinkler	13	Approp.	0.33 cfs	A-12483[b]	1948	Pump; 20 hp motor directly connected to distribution system	Former owner: Neles

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Laguna Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
6N/9W-12B1 Sheet 23	John J. Camotta	Unnamed tributary to Laguna de Santa Rosa	Irrig.	11 acres by sprinkler	13	Approp.	0.06 cfs	A-12744[b]	1948	Pump; 3-hp motor directly connected to distribution syatem	
6N/9W-24E1 Sheet 23	Oeorge Nahmens	Blacher Creek	Irrig. Stock	27 acres by sprinkler 125 head	10	Riparian	--	--	1950	Pump; earth dam 2 feet high, 20 feet long with 5-hp motor directly connected to distribution aystem	
7N/9W-15J1 Sheet 21	Louis A. Frei	Laguna de Santa Rosa	Irrig.	10 acres by sprinkler	44	Riparian	--	--	1953	Pump; 20-hp motor with 200 feet of 6-inch pipe	
7N/9W-22A1 Sheet 21	Frank and Carsin Whitlach	Laguna de Santa Rosa	Irrig. (See remarks)		none	Riparian	--	--	1950	Pump; butane engine with 5-inch discharge directly connected to distribution system	No diversion in 1959. Formerly irrigated 21 acres by sprinkler.
7N/9W-22B1 Sheet 21	Tom and Joe Furusho & L. W. Winkler	Sump tributary to Laguna de SantaRosa	Irrig.	17 acres by sprinkler	68	Riparian	--	--	1957	Pump; 40-hp motor directly connected to distribution system	
7N/9W-22L1 Sheet 21	C. S. Farris	Unnamed tributary to Laguna de Santa Rosa	Irrig.	15 acres by sprinkler	18	Approp.	0.10 cfs	A-13301[b]	1946	Pump; 7.5-hp motor directly connected to distribution system	Former owner: Louis E. Davis
7N/9W-22R1 Sheet 21	Findley Ranch Land Company	Laguna de Santa Rosa	Irrig.	97 acres by sprinkler	30	Approp.	0.5 cfs	A-16107[b]	1954	Pump; 30-hp motor directly connected to distribution aystem	12 acres idle in 1959
7N/9W-23E1 Sheet 21	R. K. Carlson	Laguna de Santa Rosa	Irrig.	38 acres by sprinkler	43	Riparian	--	--	1954	Gravity and pump; 400 feet of earth ditch 4 feet deep, 6 feet wide with gasoline tractor engine and 6-inch discharge directly connected to distribution system	21 acres idle in 1959.
7N/9W-23N1 Sheet 21	Edward H. and Laura Smith	Unnamed tributary to Laguna de Santa Rosa	Irrig.	32 acres by sprinkler	not meas.	Approp.	0.40 cfs	A-15685[b]	1953	Pump; gasoline engine with 2.5 inch diacharge directly connected to distribution syatem	16 acres idle in 1959.
7N/9W-26L1 Sheet 21	Findley Ranch Land Company	Laguna de Santa Rosa	Irrig.	88 acres by sprinkler	125	Approp.	0.65 cfs	A-11769[b]	1928	Pump; 40-hp motor with 0.4 mile of 8-inch pipe	
7N/9W-35B1 Sheet 21	Emma E. Baker	Lagun de Santa Rosa	Irrig.	22 acres by sprinkler	34	Approp.	0.50 cfs	A-12202	1947	Pump; 15-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Laguna Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/9W-35B2 Sheet 21	Jack Dei	Laguna de Santa Rosa	Irrig.	15 acres by sprinkler	67	Approp.	0.50 cfs	A-13256[b]	1949	Pump; 15-hp motor with 0.3 mile of 6-inch pipe	
7N/9W-35B3 Sheet 21	Louise K. Nelson	Laguna de Santa Rosa	Irrig.	19 acres by sprinkler	30	Approp.	0.13 cfs	A-13506[b]	Prior 1948	Pump; 10-hp motor directly connected to distribution system	Former owner: Green
7N/9W-35H1 Sheet 21	Jack Dei	Laguna de Santa Rosa	Irrig.	62 acres by sprinkler	168	Approp.	0.50 cfs	A-13256[b]	1949	Pump; 25-hp motor with 0.6 mile of 6-inch pipe	
					LOWER RUSSIAN RIVER SUBUNIT						
6N/9W-4E1 Sheet 23	Primo Palladini	Unnamed tributary to Atascadero Creek	Irrig.	(See remarks)	none	Riparian	--	--	1958	Pump; gasoline engine with 1.5-inch discharge directly connected to distribution system	Former owner: Joe Santos. No diversion in 1959. Formerly irrigated 6 acres by sprinkler
6N/9W-5K1 Sheet 23	William Ala	Jonive Creek	Irrig.	9 acres by sprinkler	3	Riparian	--	--	1938	Pump; gasoline engine with 1.5-inch discharge directly connected to distribution system	Former owner: John A. Nelson
6N/9W-5K2 Sheet 23	K. R. Tucker	Jonive Creek	Irrig.	11 acres by sprinkler	3	Riparian	--	--	1955	Pump; 3-hp motor directly connected to distribution system	
6N/9W-5L1 Sheet 23	George Lopizich	Jonive Creek	Irrig.	6 acres by sprinkler	1	Riparian	--	--	1938	Pump; gasoline engine with 1.5-inch discharge directly connected to distribution system	Former owner: John A. Nelson
6N/9W-5M1 Sheet 23	Bert Garner	Unnamed tributary to Atascadero Creek	Irrig.	41 acres by sprinkler	8	Approp.	0.19 cfs	A-10915[b]	1944	Pump; 3-hp motor directly connected to distribution system	Former owners: Johnson, Hickock
6N/9W-5N1 Sheet 23	Bert Garner	Unnamed tributary to Atascadero Creek	Stock Dom.	50 head (c)	not meas.	Approp.	0.19 cfs	A-10915[b]	1944	Pump; 3-hp motor directly connected to distribution system	Former owners: Johnson, Hickock
6N/9W-7A1 Sheet 23	Marshal W. Ornbaun	Unnamed tributary to Atascadero Creek	Irrig.	5 acres by sprinkler	6	Riparian	--	--	Prior 1953	Pump; 5-hp motor directly connected to distribution system	Former owner: William Vannoy
7N/9W-7K1 Sheet 21	E. S. Townsend	Unnamed tributary to Green Valley Creek	Irrig.	8 acres by sprinkler	not meas.	Approp.	0.06 cfs	A-12877[b]	1948	Pump; gasoline engine with 2.5-inch discharge directly connected to distribution system	Former owner: Freethey. This diversion system also used at 7N/9W-18A2

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/9W-7K2 Sheet 21	Ralph J. Smith	Green Valley Creek	Irrig. Stock	(See remarks)	none	Approp.	0.04 cfs	A-11409[b]	1946	Pump; 3-hp gasoline engine directly connected to distribution system	No diversion in 1958 or 1959. Formerly irrigated 13 acres by sprinkler and watered 80 head of stock
7N/9W-8D1 Sheet 21	Robert J. Hallberg	Unnamed tributary to Green Valley Creek	Irrig.	22 acres by sprinkler	not meas.	Riparian	--	--	Prior 1957	Gravity; 20-foot pipe from creek channel to well with 7.5-hp motor directly connected to distribution	Former owner: Hill Brothers
7N/9W-16E1 Sheet 21	Don L. Winkler	Unnamed tributary to Atascadero Creek	Irrig.	15 acres by sprinkler (See remarks)	31	Riparian	--	--	1953	Pump; 5-hp motor directly connected to distribution system	Area irrigated received supplemental supply from 7N/9W-17A1 until 1959
7N/9W-17A1 Sheet 21	Don L. Winkler	Unnamed spring tributary to Atascadero Creek	Irrig.	22 acres by sprinkler	not meas.	Riparian	--	--	1958	Pump; small reservoir 30 feet wide, 100 feet long with 5-hp motor directly connected to distribution system	Supplemented 7N/9W-16E1 until 1959
7N/9W-18A1 Sheet 21	E. S. Townsend	Unnamed tributary to Green Valley Creek	Irrig.	23 acres by sprinkler	4	Approp.	0.06 cfs	A-12877[b]	1955	Storage and pump; earth dam 14 feet high, 200 feet long with 15 acre-foot reservoir and motor with 2.5-inch discharge directly connected to distribution system	
7N/9W-18A2 Sheet 21	E. S. Townsend	Green Valley Creek	Irrig.	36 acres by sprinkler	2	Riparian	--	--	--	Pump; 8-hp gasoline engine directly connected to distribution system	
7N/9W-20A1 Sheet 21	W. S. Winkler	Atascadero Creek	Irrig.	35 acres by sprinkler	14	Riparian	--	--	1958	Pump; 20-hp motor directly connected to distribution system	
7N/9W-20D1 Sheet 21	L.C.Scheidecker	Green Valley Creek	Irrig.	26 acres by sprinkler	24	Riparian	--	--	1942	Pump; motor with 1.5-inch discharge directly connected to distribution system	5 acres idle in 1959
7N/9W-28M1 Sheet 21	Albert Helwig	Atascadero Creek	Irrig.	69 acres by sprinkler	88	Approp.	0.58 cfs	A-11082[b]	1945	Pump; 20-hp motor with 0.2 mile of 6-inch pipe	
7N/9W-30A1 Sheet 21	N. O. Lindberg	Purrington Creek	Irrig.	77 acres by sprinkler and flooding	7	Approp.	0.25 cfs	A-12330[b]	1948	Pump; concrete and wood dam 14 feet high, 40 feet long with 15 hp motor and 0.2 mile of 4 and 5-inch pipe	10 acres fallow in 1959

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/9W-30G1 Sheet 21	Paul and Elinore Rued	Unnamed tributary to Purrington Creek	Irrig.	18 acres by sprinkler	not meas.	Riparian	--	--	1776	Pump; 5-hp motor and 7.5-hp gasoline engine directly connected to distribution system	
7N/9W-30Q1 Sheet 21	Mrs. D. C. Simpson	Unnamed tributary to Purrington Creek	Irrig.	17 acres by sprinkler	4	Riparian	--	--	1955	Pump; 5-hp motor directly connected to distribution system	Former owners: Hans Karltoff
7N/10W-1G1 Sheet 21	A. Casentino	Green Valley Creek	Irrig.	4 acres by sprinkler	not meas.	Riparian	--	--	Prior 1948	Pump; 50-hp gasoline engine directly connected to distribution system	
7N/10W-5P1 Sheet 21	Jan Stibbi	Russian River	Irrig.	20 acres by sprinkler (See remarks)	80	Riparian	--	--	1927	Pump; 20-hp motor with 400 feet of 2-inch pipe	Former owners: Korbel Winery Golf course. Actual use is recreational
7N/10W-6F1 Sheet 21	Russian River Recreation District No1.	Russian River	Rec.	Swimming and boating	not meas.	Approp.	125 cfs 900 af	A-15779[b]	Prior 1930	Storage; earth dam 5 feet high 350 feet long with 900-acre foot reservoir.	
7N/10W-6H1 Sheet 21	A. Gonfiotti	Russian River	Irrig. (See remarks)		None	Riparian	--	--	Prior 1910	Pump; 5-hp motor with 0.1 mile of 3 and 4-inch pipe	Former owner: Nattie Gonfiotti. No diversion in 1958 or 1959. Formerly irrigated 7 acres by sprinkler
7N/10W-13N1 Sheet 21	L. Bob Gianni	Green Valley Creek	Irrig. (See remarks)		None	Riparian	--	--	1888	Pump; 10-hp motor directly connected to distribution system	Former owner: Burl H. Howell. No diversion in 1959. Formerly irrigated 6 acres by sprinkler
7N/10W-13P1 Sheet 21	L. Bob Gianni	Green Valley Creek	Irrig. (See remarks)		None	Riparian	--	--	1953	Pump; 10-hp motor directly connected to distribution system	Former owner: Burl H. Howell. No diversion in 1959. Formerly irrigated 8 acres by sprinkler
7N/10W-18C1 Sheet 21	Citizens Utilities Company	Unnamed tributary to Dutch Bill Creek (See remarks)	(See remarks)		(See remarks)	(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.4 mile of 1.5-inch pipe to junction with 7N/10W-18Q1 and 0.6 mile of 3-inch pipe directly connected to distribution system	Also known as Middle Starrett Creek. Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
7N/10W-18Q1 Sheet 21	Citizens Utilities Company	Crawford Gulch (See remarks)	(See remarks)		(See remarks)	(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 1.3 mile of 1.5-inch pipe to junction with 7N/10W-18C1	Also known as Tyrone Spring. Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
7N/10W-23E1 Sheet 21	Albert and Fred Gerhardt Azalea Dam	North Fork of Lancel Creek	Irrig.	34 acres by sprinkler	70	Approp.	82 af	A-15894[b]	1954	Storage and pump; earth dam 39 feet high, 140 feet long with 75-acre foot reservoir and 15-hp motor with 0.1 mile of 4-inch pipe	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/10W-27C1 Sheet 21	Camp Meeker Water System	Unnamed Springs tributary to Dutch Bill Creek	Municip.	145 connections (See remarks)	Not meas.	(a)	--	--	Prior 1900	Gravity; small rock dam with short pipe to 2 tanks with a total capacity of 20,400 gallons	Area serviced receives supplemental supply from 7N/10W-21N1, 7N/10W-27L1 and 7N/10W-28F1. Distribution system includes 10 additional storage tanks with a total capacity of 47,900 gallons
7N/10W-27L1 Sheet 21	Chenoweth Lumber Company	Unnamed Springs tributary to Dutch Bill Creek	(See remarks)		Not meas.	(a)	--	--	--	Gravity; concrete box with short pipe to 2 tanks with a total capacity of 12,800 gallons	Purpose and extent of use reported under 7N/10W-27C1
7N/10W-28D1 Sheet 21	Chenoweth Lumber Company	Unnamed Springs tributary to Dutch Bill Creek	(See remarks)		Not meas.	(a)	--	--	--	Gravity; Plank and log dam 3 feet high, 10 feet long with 1.1 miles of 2.5-inch pipe to 4 tanks with a total capacity of 36,100 gallons.	Purpose and extent of use reported under 7N/10W-27C1
7N/10W-28F1 Sheet 21	Chenoweth Lumber Company	Unnamed tributary to Dutch Bill Creek	(See remarks)		Not meas.	(a)	--	--	--	Gravity; Plank and log dam with 0.5 mile of 2.5-inch pipe to junction with pipeline from 7N/10W-28D1	Purpose and extent of use reported under 7N/10W-27C1
7N/10W-34K1 Sheet 21	Occidental Water Works	Unnamed Springs tributary to Salmon Creek	Municip. (See remarks)	47 connections	4	Riparian	--	--	1918	Gravity; small rock dam with short pipe to one 10,000-gallon tank with 0.1 mile of 1.25-inch pipe directly connected to distribution system	Former owners: Meeker, John Ganelli and Orville Clarb. Serves the Community of Occidental.
7N/11W-11F1 Sheet 21	Milton S. LaFranchi	Russian River	Irrig. (See remarks)		None	Approp.	0.33 cfs	A-11933[b]	1947	Pump; motor directly connected to distribution system	Former owner: Hugh Brown. No diversion in 1958 or 1959. Formerly irrigated 21 acres by sprinkler
7N/11W-11H1 Sheet 21	Mary Sheridan	Russian River	Irrig. (See remarks)		None	Riparian	--	--	1956	Pump; Motor directly connected to distribution system	No diversion in 1958 or 1959. Formerly irrigated 7 acres by sprinkler
7N/11W-11N1 Sheet 21	George Casini	Russian River	Irrig.	18 acres by sprinkler	9	Approp.	0.50 cfs	A-13317[b]	1948	Pump; 10-hp motor directly connected to distribution system	
7N/11W-12C1 Sheet 21	Mary Sheridan	Russian River	Irrig. (See remarks)		None	Approp.	0.38 cfs	A-16713[b]	1955	Pump; directly connected to distribution system	No diversion in 1958 or 1959. Formerly irrigated 12 acres by sprinkler
7N/11W-12G1 Sheet 21	Citizens Utilities Company	Unnamed stream tributary to Mesa Grande Gulch (See remarks)	Municip.	2,950 connections (See remarks)	295	(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 100 feet of 1.5-inch pipe to junction with line from 7N/11W-12L1 and 0.1 mile of 2-inch pipe to 2 tanks and 2 lines, one 1.25-inch and one 2-inch, directly connected to distribution system	Also known as Little Mesa Grande. Serves the communities of Rio Nido, El Bonito, Guerneville, Guernewood, Vacation Beach, Northwood Heights, Monte Rio, Villa Grande and Sheridan. Purpose, extent of use and amount diverted includes all diversions by Citizens Utilities Company of Guerneville

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
7N/11W-12J1 Sheet 21	Citizens Utilities Company	Harrison Gulch	(See remarks)		(See remarks)	(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.2 mile of 1.5-inch pipe directly connected to distribution system	Purpose, extent of use and amount diverted reported under 7N/11W-12G1
7N/11W-12L1 Sheet 21	Citizens Utilities Company	Mesa Grande Gulch (See remarks)	(See remarks)			(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.3 mile of 2-inch pipe to junction with pipe from 7N/11W-12G1	Also known as Villa Grande Creek. Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
7N/11W-12M1 Sheet 21	Citizens Utilities Company	Sheridan Gulch (See remarks)	(See remarks)			(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.1 mile of 1.5-inch pipe to 2 tanks and 400 feet of 1.5-inch pipe directly connected to distribution system	Also known as Sheridan Spring.. Purpose, extent of use and amount diverted reported under 7N/11W-12G1
7N/11W-12R1 Sheet 21	Citizens Utilities Company	Schoolhouse Gulch (See remarks)	(See remarks)			(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.2 mile of 1.5-inch pipe to 7N/11W-12R2	Also known as Upper Schoolhouse Creek. Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
7N/11W-12R2 Sheet 21	Citizens Utilities Company	Schoolhouse Gulch (See remarks)	(See remarks)			(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.2 mile of 1.5-inch pipe to tank and 0.2 mile of pipe to junction with pipe from 7N/10W-18C1	Also known as Lower Schoolhouse Creek. Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
7N/11W-17G1 Sheet 21	E. J. Willig	Sawmill Gulch	Irrig.	13 acres by sprinkler	14	Riparian	--	--	1945	Pump; 15-hp motor directly connected to distribution system	
7N/11W-17P1 Sheet 21	E. J. Willig	Russian River	Irrig. (See remarks)		None	Riparian	--	--	1940	Pump; 40-hp motor with 0.5 mile of 8-inch pipe	No diversion in 1959. Formerly irrigated 26 acres by sprinkler
7N/11W-18B1 Sheet 21	Cecil and Fred Mecum	Jenner Gulch	Domestic	92 connections	9	(a)	--	--	Prior 1946	Gravity; concrete box 3 feet high, 6 feet long with 0.4 mile of 2-inch pipe to three 10,000-gallon tanks	Former owners: Dr. Crawford, Joe West
7N/11W-18G1 Sheet 21	Cecil and Fred Mecum	Jenner Gulch	(See remarks)		7	(a)	--	--	Prior 1946	Pump; 3-hp motor with 0.1 mile of 2-inch pipe to tanks used by 8N/11W-18B1	Former owners: Dr. Crawford, Joe West. Purpose and extent of use reported under 8N/11W-18B1
8N/9W-2G1 Sheet 19	Albert LeBrett	Unnamed tributary to the Russian River	Irrig. Stock. Rec.	3 acres by sprinkler 20 head Fishing	7	Approp.	30 afa	A-15237[b]	1952	Storage and pump; earth dam 21 feet high, 165 feet long with 25-acre foot reservoir and gasoline engine with 1-inch discharge directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/9W-3E1 Sheet 19	Jim LeBaron	Russian River	Irrig.	64 acres by sprinkler	20	Riparian	--	--	1955	Pumps; gasoline engine with 4-inch discharge and 0.7 mile of 5 and 6-inch pipe	
8N/9W-3P1 Sheet 19	John Preston Ranch Company	Russian River	Irrig.	188 acres by sprinkler	490	Approp. Approp.	0.50 cfs 0.18 cfs	A-16008[b] A-13453[b]	1949	Pump; 50-hp and 40-hp motor with 0.8 mile of 6 and 8-inch pipe	
8N/9W-9H1 Sheet 19	John Preston Ranch Company	Russian River	Irrig.	69 acres by sprinkler	92	Approp. Approp.	0.50 cfs 0.18 cfs	A-14333[b] A-13453[b]	1949	Pump; 15-hp motor with 0.3 mile of 6-inch pipe	
8N/9W-16A1 Sheet 19	Alex S. Russell	Russian River	Irrig.	143 acres by sprinkler and furrow	137	Approp.	1.75 cfs	A-14747[b]	1952	Pump; 75-hp motor with 0.6 mile of 8-inch pipe	Former owner: Osborn White. 59 acres idle in 1959
8N/9W-16A2 Sheet 19	E. D. Thompson	Russian River	Irrig.	43 acres by sprinkler	108	Approp.	0.41 cfs	A-13179[b]	1949	Pump; 20-hp motor directly connected to distribution system	
8N/9W-16H1 Sheet 19	Sonoma Ranch Company	Russian River	Irrig.	77 acres by sprinkler	20	Approp.	1.5 cfs	A-14925[b]	1952	Pump; 20-hp motor directly connected to distribution system	26 acres fallow in 1959
8N/9W-16H2 Sheet 19	War en ichardson	Russian River	Irrig.	97 acres by sprinkler	444	Approp. Approp.	1.0 cfs 0.5 cfs	A-13158[b] A-16681[b]	1917	Pump; one 40-hp motor and one 20-hp motor with 0.5 mile of 8-inch pipe	Former owner: W. M. Richardson
8N/9W-16Q1 Sheet 19	Adelma W. Fenton	Russian River	Irrig.	(See remarks)	None	Approp.	0.18 cfs	A-13268[b]	Prior 1938	Pump; 12-hp gasoline engine with 0.1 mile of 6-inch pipe	No diversion in 1959. Used ground water to irrigate 22 acres by sprinkler in 1959. This diversion system also used at 8N/9W-32L1.
8N/9W-20Q1 Sheet 19	Listo Pencil Company	Russian River	Irrig.	60 acres by sprinkler	60	Approp.	0.15 cfs	A-10976	1945	Pump; (2) 15-hp motors with 0.25 miles of 8-inch pipe	
8N/9W-21B1 Sheet 19	Adelma W. Fenton	Russian River	Irrig.	33 acres by sprinkler	34	Approp.	0.18 cfs	A-13268[b]	Prior 1938	Pump; 15-hp motor with 0.3 mile of 6-inch pipe	
8N/9W-21P1 Sheet 19	Francis J. Heagerty	Russian River	Irrig.	36 acres by sprinkler	Not meas.	Approp.	0.32 cfs	A-13684[b]	1950	Pump; 15-hp motor with 0.2 mile of 4-inch pipe	Former owners: Brown and Doldhgren
8N/9W-21H1 Sheet 19	Katherine Hopkins	Russian River	Irrig.	(See remarks)	None	Approp.	0.37 cfs	A-13098	1928	Pump; 20-hp motor with 0.5 mile of 6-inch pipe	Former owners: W. Richardson, J. LeBaron and Hopkins. No diversion in 1959. Used ground wster to irrigate 99 acres by sprinkler in 1959
8N/9W-21L1 Sheet 19	C. S. Litton	Russian River	Irrig.	31 acres by sprinkler	69	Approp.	0.31 cfs	A-13135[b]	1938	Pump; 15-hp motor with 0.1 mile of 8-inch pipe	Former owner: Al Litton
8N/9W-28C1 Sheet 19	Estate of J. T. Grace	Russian River	Irrig.	(See remarks)	None	Approp.	0.43 cfs	A-14776	Prior 1938	Pump; one 20-hp motor and one gasoline engine with 3-inch discharge and 0.5 mile of 8-inch pipe	Former owner: George Wilson. No diversion in 1959. Formerly irrigated 73 acres by sprinkler

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/9W-29B2 Sheet 19	Bonomar Farms	Russian River	Irrig.	46 acres by sprinkler	39	Approp.	1.0 cfs	A-10795[b]	1944	Pump; 15-hp motor with 0.3 mile of 8-inch pipe	Former owner: Raford Jones
8N/9W-29F1 Sheet 19	Sonoma County Flood Control and Water Conservation District Aqueduct No. 1	Russian River	Municip. Irrig.	11,400 connections (See remarks)	3,850	Approp.	20.0 cfs 60.0 cfs	A- 15736[b] A- 15737[b]	1958	Pump; four 1,000 hp motors with 0.3 mile of 30-inch pipe and 18 miles of 42-inch pipe to one 6-million gallon tank.	Serves the community of Santa Rosa System also designed to supply future needs of Sebastopol, Windsor, Petaluma and Sonoma for various purposes. Two of these motors are on standby. 117 acres receive irrigation water from the pipeline
8N/9W-29P1 Sheet 19	Hubert Ballard	Russian River	Irrig. Stock.	30 acres by flooding 60 head	Not meas.	Approp.	0.5 cfs	A-13784[b]	1910	Pump; 30-hp gasoline tractor engine with 0.3 mile of 4-inch pipe	Former owner: S. E. Ballard, Sr. 3 acres idle in 1959
8N/9W-31B1 Sheet 19	L. M. Meredith	Russian River	Irrig.	44 acres by sprinkler	23	Approp.	0.18 cfs	A-13162[b]	Prior 1918	Pump; 15-hp motor directly connected to distribution system	Former owner: Hobson
8N/9W-31H1 Sheet 19	L. M. Meredith	Russian River	(See remarks)		(See remarks)	Riparian	--	--	1954	(See remarks)	Purpose, extent of use and amount diverted reported under 8N/9W-31B1 Used diversion system of 8N/9W-31B1
8N/9W-32D1 Sheet 19	Everett S. Ballard	Russian River	Irrig.	77 acres by sprinkler	75	Approp.	0.07 cfs	A-14604[b]	1908	Pump; 15-hp motor with 0.4 mile of 6-inch pipe	Former Owner: Ballard, Sr.
8N/9W-32J1 Sheet 19	Peterson Farms	Mark West Creek	Irrig.	35 acres by sprinkler	58	Approp.	0.46 cfs	A-13126[b]	1943	Pump; 15-hp motor directly connected to distribution system	
8N/9W-32J2 Sheet 19	Mrs. Jack Loomis	Mark West Creek	Irrig.	25 acres by sprinkler	34	Riparian	--	--	Approx. 1953	Pump; 7.5-hp motor directly connected to distribution system	
8N/9W-32K1 Sheet 19	Harold A. Boyd	Mark West Creek	Irrig.	25 acres by sprinkler	9	Riparian	--	--	1950	Pump; 12-hp motor with 0.3 mile of 4-inch pipe	
8N/9W-32L1 Sheet 19	Joe Rochioli	Mark West Creek	Irrig.	15 acres by sprinkler	3	Approp.	0.06 cfs	A-13269[b]	1946	Pump; directly connected to distribution system	Used diversion system of 8N/9W-16Q1
8N/9W-32L2	Sonoma Ranch Company	Mark West Creek	Irrig.	81 acres by sprinkler	49	Approp.	0.77 cfs	A-13393[b]	Prior 1920	Pump; 25-hp motor with 0.3 mile of 5-inch pipe	Appropriative water right in name of former owner: Mabel Peterson et al
8N/9W-33K1 Sheet 19	Arland F. Emert	Mark West Creek	Irrig.	12 acres by sprinkler	236 (See remarks)	Riparian	--	--	1945	Pump; motor with 3-inch discharge and 0.7 mile of 8-inch pipe	Amount diverted includes supplemental supply from 8N/9W-33M2
8N/9W-33L1 Sheet 19	Peterson Farms	Mark West Creek	Irrig.	25 acres by sprinkler	15	Approp.	0.46 cfs	A-13126[b]	1943	Pump; 15-hp motor directly connected to distribution system	Appropriative water right in name of Mabel Peterson.
8N/9W-33M1 Sheet 19	Tom Fish	Mark West Creek	Irrig.	71 acres by sprinkler	92	Approp. Approp.	0.41 cfs 0.55 cfs	A-15724[b] A-17081[b]	1954	Pump; 25-hp motor with 0.5 mile of 8-inch pipe	

For footnotes, see last page of table.

TABLE 6
DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/9W-33M2 Sheet 19	Arland F. Emert	Mark West Creek	(See remarks)		(See remarks)	Riparian	--	--	1945	Pump; 10-hp motor directly connected to distribution system	Purpose, extent of use, and amount diverted reported under 8N/9W-33K1
8N/10W-8A1 Sheet 18	Citizens Utilities	Redwood Creek (See remarks)		(See remarks)		(a)	--	--	1923	Gravity; concrete collecting basin with 2.2 miles of 2-inch pipe to tank and 0.3 mile of 2-inch pipe directly connected to distribution system	Also known as Reilly Creek. Purpose, extent of use and amount diverted reported under 7N/11W-1201
8N/10W-16R1 Sheet 18	Citizens Utilities	Unnamed tributary to Russian River (See remarks)		(See remarks)		Approp.	0.017 cfs	A-3291[b]	1923	Gravity; concrete collecting basin with 0.6 mile of 2-inch pipe directly connected to distribution system	Also known as Mount Jackson Spring Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
8N/10W-21Q1 Sheet 18	Adolph and Paul Heck	Russian River	Irrig.	15 acres by sprinkler	Not meas.	Riparian	--	--	1900	Pump; 5-hp motor directly connected to distribution system	Former owner: Korbel
8N/10W-26A1 Sheet 18	Hacienda Water Company	Unnamed tributary to Hobson Creek	Domestic	100 connections (See remarks)	Not meas.	Approp.	.347 cfs +40,000 gals. stor/year	A-7006[b]	1931	Gravity; concrete box with 0.1 mile of 2-inch pipe to water tank	Former owner: H. B. Smith. Connections are a year-round average
8N/10W-26J1 Sheet 18	Hacienda Water Company	Russian River	(See remarks)		Not meas.	Approp.	Included with 8N/10W-26A1	A-7006[b]	1931	Pump; (2) motors directly connected to distribution system	Purpose and extent of use reported under 8N/10W -26A1
8N/10W-28R1 Sheet 18	F. Korbel Incorporated	Russian River	Irrig.	5 acres by sprinkler	Not meas.	Riparian	--	--	1954	Pump; 30-hp gasoline engine directly connected to distribution system	Former owner: Leo Korbel
8N/10W-31K1 Sheet 18	Citizens Utilities Company	Unnamed tributary to Russian River (See remarks)		(See remarks)		(a)	--	--	Prior 1957	Gravity; wooden collecting basin with 0.1 mile of 0.5-inch pipe directly connected to distribution system.	Also known as Neeley Spring. Purpose, extent of use, and amount diverted reported under 7N/11W-1201.
8N/10W-31P1 Sheet 18	Citizens Utilities Company	Unnamed tributary to Russian River (See remarks)		(See remarks)		(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.2 mile of 2-inch pipe directly connected to distribution system	Also known as Vacation Beach Spring or Genelly Spring. Purpose, extent of use, and amount diverted reported under 7N/11W-1201
8N/10W-32D1 Sheet 18	Russian River Recreation District No. 1 Guerneville Recreation Dam	Russian River	Rec.	Swimming and boating	Not meas.	Approp.	125.0 cfs	A-15779[b]	Prior 1930	Gravity; H-pile and flashboard dam.	
8N/11W-36D1 Sheet 18	Citizens Utilities Company	Unnamed stream tributary to Hulbert Creek (See remarks)		(See remarks)		(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 100 feet of 3-inch pipe and 100 feet of 2-inch pipe to tank and 0.7 mile of 2-inch pipe directly connected to distribution system	Also known as Spring Gulch. Purpose, extent of use, and amount diverted reported under 7N/11W-1201

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Lower Russian River Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
8N/11W-36F1 Sheet 18	Citizens Utilities Company	Lone Hut Creek	(See remarks)		(See remarks)	(a)	--	--	Prior 1957	Gravity; concrete collecting bssin with 0.1 mile of 1.5-inch pipe to 8N/11W-36G1	Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
8N/11W-36G1 Sheet 18	Citizens Utilities Company	Lone Hut Creek	(See remarks)		(See remarks)	(a)	--	--	Prior 1957	Gravity; concrete collecting basin with 0.6 mile of 2-inch pipe directly connected to distribution system	Purpose, extent of use, and amount diverted reported under 7N/11W-12G1
9N/9W-21R1 Sheet 17	Basalt Rock Company	Russian River	(See remarks)		103 (See remarks)	Riparian	--	--	Prior 1956	Pump; 50-hp motor with 0.1 mile of 8-inch steel pipe	Purpose and extent of use reported under 9N/9W-21R1. Amount diverted used to supplement 9N/9W-21R2
9N/9W-21R2 Sheet 17	Basalt Rock Company	Russian River	Indust.	Gravel plant (See remarks)	918	Riparian	--	--	1956	Pump; 150-hp motor with 400 feet of 12-inch pipe	Receives supplemental supply from 9N/9W-21R1
9N/9W-28B1 Sheet 17	Sonoma County Flood Control and Water Conservation District	Russian River	Rec.	Swimming and Boating	Not meas.	Approp.	0.15 cfs	A-14826[b]	1952	Storage; flashboard and buttress dam 15 feet high, 330 feet long with 125-acre foot reservoir	
9N/9W-35G1 Sheet 17	W. H. Appleton	Unnamed gulch tributary to Russian River	Stock.	75 head	Not meas.	Approp.	13.5 afa	A-14513[b]	1950	Storage; earth dam 25 feet high, 300 feet long with 2.5-acre reservoir	Former owner: A. Azevedo

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					AUSTIN CREEK SUBUNIT						
8N/11W-16M1 Sheet 18	Cazadero Water Company	Unnamed springs tributary to Austin Creek	Municip (See remarks)	150 connections	14 (See remarks)	Approp.	--	--	Prior 1900	Gravity; wood box with 0.2 mile of 2-inch pipe	Supplies community of Cazadero. Amount diverted includes 8N/11W-17N1 and 8N/11W-20H1
8N/11W-17N1 Sheet 18	Cazadero Water Company	Unnamed springs tributary to St. Elmo Creek	(See remarks)		(See remarks)	Approp.	--	--	Prior 1900	Gravity; wood box with 0.2 mile of 2-inch pipe	Purpose, extent of use and amount diverted reported under 8N/11W-16M1
8N/11W-20H1 Sheet 18	Cazadero Water Company	St. Elmo Creek	(See remarks)		(See remarks)	(a)	--	--	Prior 1920	Gravity; concrete collecting basin with 0.2 mile of 2-inch pipe	Former owner; Montgomery. Purpose, extent of use, and amount diverted reported under 8N/11W-16M1
					BODEGA SUBUNIT						
5N/8W-8K1 Sheet 26	W. Volkerts	Unnamed tributary to Stemple Creek	Stock. Rec.	160 head Swimming	13	(a)	--	--	1957	Storage; earth dam 18 feet high, 550 feet long with 2.2-acre foot reservoir and short 1.5-inch pipe	
5N/8W-16Q1 Sheet 26	Martin J. Witt	Unnamed tributary to Stemple Creek	Irrig.	65 acres by sprinkler (See remarks)	12	Approp.	89 afa	A-17663[b]	1954	Storage and pump; earth dam 25 feet high, 300 feet long with 45-acre foot reservoir and 15-hp motor with 0.5 mile of 4-inch pipe	Area irrigated received supplemental supply from 5N/8W-16R1
5N/8W-16R1 Sheet 26	Martin J. Witt	Unnamed tributary to Stemple Creek	(See remarks)		20	Approp.	89 afa	A-17663[b]	1954	Storage and gravity; earth dam 40 feet high, 350 feet long with 50-acre foot reservoir and 0.2 mile of 3-inch pipe to pump at 5N/8W-16Q1	Purpose and extent of use reported under 5N/8W-16Q1. Amount diverted used to supplement 5N/18W-16Q1
5N/8W-32B1 Sheet 26	E. Siemer	Unnamed tributary to Stemple Creek	Stock. Domestic	230 head (c)	7	(a)	--	--	1958	Storage and gravity; earth dam 20 feet high, 400 feet long with 18-acre foot reservoir and 0.1 mile of 2-inch pipe to small pump	
5N/9W-3C1 Sheet 26	Roland Matteri	Unnamed tributary to Americano Creek	Irrig.	24 acres by sprinkler	18	Approp.	18 afa	A-17848[b]	1953	Storage and gravity; earth dam 30 feet high, 300 feet long with 1.5-acre foot reservoir and short pipe to sump and 7.5-hp pump with 0.1 mile of 4-inch pipe	
5N/9W-3M1 Sheet 26	St. Anthony Farms Incorporated	Americano Creek	Irrig.	34 acres by sprinkler	5	Riparian	--	--	1957	Pump; wood dam 10 feet high, 12 feet long, with 7.5-hp motor directly connected to distribution system	

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Bodega Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
5N/9W-10B1 Sheet 26	Marie Smith	Unnamed tributary to Americano Creek	Irrig.	18 acres by sprinkler	20	(a)	--	--	1951	Storage and gravity; earth dam 15 feet high, 250 feet long, with 20-acre foot reservoir and 0.3 mile of 3-inch pipe to 5-hp motor directly connected to distribution system	
5N/9W-15E1 Sheet 26	Alfred Martinoni	Unnamed tributary to Stemple Creek	Irrig. Stock.	9 acres by sprinkler 10 head	Not meas.	(a)	--	--	1952	Storage and pump; earth dam 15 feet high, 450 feet long with 28-acre foot reservoir and 200 feet of 1.5-inch pipe to 1-hp motor with 0.2 mile of 1.75-inch pipe	
5N/9W-22M1 Sheet 26	William E. and Evelyn Souza	Stemple Creek	Irrig.	42 acres by sprinkler	14 (See remarks)	Approp.	1.5 cfs 35 afa	A-16705[b]	1955	Pump; 15-hp motor with 0.2 mile of 4-inch pipe	Amount diverted includes all water from 5N/9W-22P1
5N/9W-22P1 Sheet 26	William E. and Evelyn Souza	Unnamed tributary to Stemple Creek	(See remarks)		(See remarks)	Approp.	1.5 cfs 35 afa	A-16705[b]	1955	Storage and gravity; earth dam 25 high, 250 feet long with 20-acre foot reservoir and 0.4 mile of earth ditch to 5N/9W-22M1	Purpose, extent of use and amount diverted reported under 5N/9W-22M1
5N/9W-26E1 Sheet 26	Charles Garzoli	Unnamed tributary to Stemple Creek	Stock.	200 head	11	(a)	--	--	1954	Storage and gravity; earth dam 20 feet high, 700 feet long with 2.5-acre reservoir and 0.2 mile of 2-inch pipe	
5N/10W-4P1 Sheet 25	Donald Pellascio	Unnamed tributary to Estero Americano	Stock.	900 head	13	(a)	--	--	1954	Storage and gravity; earth dam 25 feet high, 440 feet long, with 44-acre foot reservoir and 0.5 mile of earth ditch	
6N/8W-31E1 Sheet 24	Arthur C. Iverson	Americano Creek	Irrig. Stock.	5 acres by sprinkler 75 head	4	Approp.	0.01 cfs	A-13786[b]	1950	Pump; concrete dam 6 feet high, 20 feet long, with 5-hp motor and 100 feet of 2-inch pipe	Two springs supply summer flow into this reservoir
6N/10W-2L1 Sheet 23	Emil Oden	Salmon Creek	Irrig.	4 acres by sprinkler (See remarks)	2	Riparian	--	--	1958	Pump; 3-hp motor directly connected to distribution system	2 acres idle in 1959
6N/10W-12F1 Sheet 23	George P. and Mildred Freund	Unnamed tributary to Salmon Creek	Irrig.	14 acres by sprinkler	Not meas.	Approp.	.055 cfs	A-12509[b]	1948	Pump; 3-hp motor directly connected to distribution system	
6N/10W-12J1 Sheet 23	Adolph Trappe	Unnamed springs tributary to Salmon Creek	Irrig. Stock.	170 head (See remarks)	None	Approp.	.025 cfs	A-11566[b]	1946	Pump; small earth dam with 7-hp gasoline engine directly connected to distribution system	No diversion in 1959. Formerly irrigated 8 acres by sprinklers

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Bodega Subunit (Cont.)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
6N/10W-12J2 Sheet 23	Adolph Trappe	Unnamed tributary to Salmon Creek	Irrig.	8 acres by sprinkler	9	Approp.	0.025 cfs	A-11566[b]	1946	Gravity; small earth dam with 2-inch pipe to small reservoir with pump	Used diversion pump of 6N/10W-12J1
6N/10W-12P1 Sheet 23	Robert P. Vidale	Salmon Creek	Irrig. Stock.	6 acres by flooding 3 head	1	Approp.	0.03 cfs	A-12193[b]	1947	Gravity; sand bag dam 1 foot high, 8 feet long with short earth ditch	
6N/10W-13K1 Sheet 23	Guy L. Mann, Jr.	Salmon Creek	Irrig.	17 acres by sprinkler	4	Approp.	0.11 cfs	A-13052[b]	1949	Pump; earth dam 8 feet high, 30 feet long, with 10-hp motor directly connected to distribution system	
6N/10W-16R1 Sheet 23	Mary Maffia	Nolan Creek	Irrig. Stock.	21 acres by sprinkler 120 head	2	Riparian	--	--	1952	Pump; 10-hp motor directly connected to distribution system	
6N/10W-22L1 Sheet 23	George Giordano	Unnamed tributary to Salmon Creek	Irrig. Stock.	35 acres by sprinkler 150 head	55 (See remarks)	(a)	--	--	1952	Storage and pump; earth dam 15 feet high, 600 feet long, with 10-acre reservoir and 10-hp motor directly connected to distribution syatem	Former owner: Calvin Little. Amount diverted includes supplemental supply from 6N/10W-22N1. This diversion pump also used at 6N/10W-22N1
6N/10W-22N1 Sheet 23	George Giordano	Salmon Creek	(See remarks)		(See remarks)	Riparian	--	--	1952	Pump; motor directly connected to distribution system	Purpose, extent of use, and amount diverted reported under 6N/10W-22L1. Used diversion pump from 6N/10W-10J1
6N/10W-26C1 Sheet 23	Mrs. Maria Bianchi	Unnamed tributary to Ebabios Creek	Stock.	200 head	6	(a)	--	--	1955	Storage and gravity; earth dam 25 feet high, 190 feet long with 20-acre foot reservoir and 0.7 mile of 1-inch plastic pipe to 5000-gallon storage tank	
6N/11W-14R1 Sheet 23	Charles Welling	Salmon Creek	Irrig. Stock.	10 acres by sprinkler 450 head	11	Riparian	--	--	1950	Pump; 5-hp motor directly connected to distribution system	
7N/10W-34L1 Sheet 21	Occidental Water Works	Unnamed springs tributary to Salmon Creek	(See remarks)		(See remarks)	Riparian	--	--	1918	Gravity; small rock dam with 0.1 mile of 1-inch pipe to 7N/10W-34L2	Former owners: Meeker, John Ganelli, Orville Clark. Purpose, extent of use and amount diverted reported under 7N/10W-34K1 in Lower Russian River Subunit
7N/10W-34L2 Sheet 21	Occidental Water Works	Unnamed springs tributary to Salmon Creek	(See remarks)		(See remarks)	Riparian	--	--	1918	Gravity; small rock dam with 0.4 mile of 1-inch pipe directly connected to distribution system	Former owners: Meeker, John Ganelli, Orville Clark. Purpose, extent of use and amount diverted reported under 7N/10W-34K1 in Lower Russian River Subunit

For footnotes, see last page of table.

TABLE 6

DESCRIPTION OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(continued)

Location number and Plate 2 sheet number	Diversion name and/or owner	Source	Water use in 1959			Apparent water right			Indicated date of appropriation or first use	Description of diversion system	Remarks
			Purpose	Extent and method of use	Amount diverted in acre-feet	Type	Amount	Reference			
					WALKER CREEK SUBUNIT						
3N/8W-2D1 Sheet 29	Marin French Cheese Company Inc. Thompson Bros.	Unnamed tributary to Arroyo Sausal Creek	Indust. Stock.	cheese factory 500 head	Not meas.	(a)	--	--	Approx. 1945	Storage and gravity; earth dam 20 feet high, 400 feet long, with 29 acre-foot reservoir and 2,000 feet of 2-inch pipe to 7.5-hp pump directly connected to distribution system	
4N/8W-3D1 Sheet 28	Lloyd Bolla	Unnamed tributary to Laguna Lake	Stock.	175 head	Not meas.	(a)	--	--	1950	Storage and pump; earth dam 20 feet high, 500 feet long, with 3.5-acre reservoir and 7.5-hp motor directly connected to distribution system	
4N/8W-25M1 Sheet 28	A. T. Dolcini	Unnamed tributary to Laguna Lake	Irrig. Stock.	26 acres by sprinkler 200 head	95	Approp.	70 afa	A-16668[b]	1949	Storage and gravity; earth dam 35 feet high, 434 feet long, with 70-acre foot reservoir and 500 feet of 6-inch pipe to pump directly connected to distribution system	
4N/8W-31G1 Sheet 28	Estate of Angelina Berri	Bear Creek	Irrig.	6 acres by sprinkler	10	Riparian	--	--	1912	Pump; concrete and wood dam 10 feet high, 30 feet long, with 3-hp motor directly connected to distribution system	
4N/9W-10C1 Sheet 27	Estate of B. O. Garzarli	Chileno Creek	Irrig.	(See remarks)	None	Riparian	--	--	Approx. 1951	Pump; 10-hp motor directly connected to distribution system	No diversion in 1959. Formerly irrigated 13 acres by sprinkler
4N/9W-11G1 Sheet 27	Estate of Tomasini	Unnamed tributary to Chileno Creek	Stock	500 head	16	(a)	--	--	1944	Storage and gravity; earth dam 30 feet high, 200 feet long with 1.5-acre reservoir and 1,000 feet of 2-inch pipe	
5N/9W-35Q1 Sheet 26	J. P. Bloom	Unnamed tributary to Chileno Creek	Stock	350 head	18	(a)	--	--	1949	Storage and gravity; earth dam 30 feet high, 440 feet long, with 3-acre reservoir and 2,000 feet of 2-inch pipe	

a. Insufficient information to determine type of water right.
b. Refers to application to appropriate water filed with State Water Rights Board.
c. Domestic use of less than 5 connections.

In the case of an appropriative right, the amount tabulated is that found in the filing, if any, or in the application, or in the latest permit or license which may have been issued in connection with the application. The reference given is for an appropriation initiated after the effective date of the Water Commission Act (1914), and is the number of the application on file with the State Water Rights Board. For appropriations prior to 1914, the reference, if known, is the book and page number of the official county record in which the filing is recorded. Such filings were made in accordance with Sections 1410 and 1422 of the Civil Code, as enacted in 1872, which preserved the priority of a diligent appropriator from the time of filing and enabled him to prevail over a concurrent nonstatutory appropriator.

Records of Surface Water Diversions

Continuous or periodic measurements of surface water diversions were made by the Department of Water Resources during 1959, whenever it was feasible to measure the flows. Most of the diversions for nonagricultural use, and some of those for agriculture use, were operated throughout the year. Substantially all diversion measurements were started in April or May of 1959, prior to commencement of intensive irrigation, and were continued through the irrigation season. Measurements of the year-round diversions were continued into 1960 to obtain a complete year of record. A few diversions were located at a late stage in the survey, and no measurements or estimates of these were attempted. Results of the

measurement program are summarized in Table 7. When feasible, measurements of each diversion were made at a location above the area of first use and as close to the diversion intake as possible, but below any regulatory spill. Exceptions are noted in the table.

Determinations of diverted quantities were made primarily by testing of pumps and distribution systems. Diversions were observed mostly on a monthly basis. These observations were supplemented by interviews with water users to obtain additional data and possible abrupt changes in operation between readings.

The values listed in Table 7 are based on various methods listed in the column, "Method of observation and calculation." When the monthly data were sufficiently reliable, monthly values are shown. When the diversion for a given period is known to have been zero, it is so indicated. The data sometimes were not sufficiently detailed to justify a breakdown into monthly values. When data were incomplete or uncertain, they were designated as estimates. Notations regarding the extent of irrigation period indicate the overall period of irrigation, but not necessarily that daily or continuous irrigation was practiced through the period. Notations that a stream source was "dry" at a certain time indicate that stream flow was so low as to make diversion infeasible.

Index to Surface Water Diversion

For convenience, an alphabetical index of diversion owners and diversion names, a subunit location of each diversion and reference to map and page numbers are shown on Table 8.

TABLE 7

MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				FORSYTHE SUBUNIT														
16N/12W-5A1	N. N. Sweezey	Irrigation	At area of use	Pump test and power record	0	0	0	0	9	7	4	4	1	0	0	0	25	
16N/12W-5A2	Albert Dockins	Irrigation	At area of use	Pump test and power record	0	0	0	0	6	0	1	2	0	0	0	0	9	
16N/12W-5A3	N. N. Sweezey	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	2	2	4	0	0	0	0	8	
16N/12W-7C1	Estate of Jay Lee Smith; Jay Lee Smith, Jr.; and Jean J. Smith	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	3	2	2	1	0	0	0	0	8	
16N/12W-8L1	Carl E. Peterson	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	0	1	1	0	0	1	0	3	
16N/12W-8R1	Roy Adreveno	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	3	5	3	1	1	0	0	15	
17N/12W-32A1	Joe Rochioli and Harlan Howard	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	15	10	11	1	0	0	0	0	37	
17N/12W-32A2	Russell S. Strickland	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	2	5	4	0	0	0	0	0	11	
				COYOTE VALLEY SUBUNIT														
16N/11W-3C1	Gordon W. Lesak	Stockwatering and recreation	At reservoir	Estimated from change in storage	- ** -												16	
16N/11W-5B1	J. F. and Charles Guntley	Irrigation and stockwatering	At area of use	Pump test and power record	0	0	0	0	22	19	41	44	19	11	0	0	156*	Stockwater not included.
16N/11W-5B2	Robert W. Magruder	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	3	4	0	0	0	0	0	9	
16N/11W-5G1	Robert W. Magruder	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	3	4	0	0	0	0	0	9	
16N/11W-18F1	W. L. O'Neil	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	2	3	2	2	0	0	0	0	9	
16N/11W-18J1	J. F. and Charles Guntley	Irrigation	At area of use	Sprinkler test and power record	0	0	0	5	8	16	23	22	15	0	0	0	89	
16N/11W-21Q1	Arthur G. and Alice M. Elting	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	1	1	2	1	1	1	0	0	0	7*	Stockwater not included.
17N/11W-6E1	Potter Valley I.D. (East Side Canal)	Irrigation	At point of diversion	Pump test and operation record	0	0	0	546	1,229	1,790	1,834	1,726	705	0	128	120	8,078	
17N/11W-6E2	Potter Valley I.D. (West Side Canal)	Irrigation	At point of diversion	Pump test and operation record	0	0	0	458	1,182	1,927	2,716	1,867	830	0	128	120	8,728	
17N/11W-6E3	Otto Hughes	Irrigation	At area of use	Pump test and power record	0	0	0	6	12	11	10	11	6	0	0	0	56	
17N/11W-6E4	Otto Hughes	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	2	11	11	13	16	6	0	0	0	59*	Stockwater not included.
17N/11W-17Q1	Manuel A. Alves	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	39	48	53	56	28	1	0	0	225	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				COYOTE VALLEY SUBUNIT (Continued)														
17N/11W-17E1	Mrs. George Phillips	Irrigation and stockwatering	At area of use	Pump test and power records	0	0	0	12	13	43	38	52	0	0	0	0	158*	Stockwater not included.
17N/11W-20C1	William N. Keeney	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	5	6	7	1	2	0	0	0	21	
17N/11W-29Q1	Madeo Peregrina	Irrigation	Near point of diversion	Pump test and power record	0	0	0	0	12	16	1	11	20	5	0	0	65	
17N/11W-32A1	Joe Diaz	Irrigation and stockwatering	Near point of diversion	Pump test and power record	0	0	0	0	15	24	21	18	0	0	0	0	78*	Stockwater not included.
17N/11W-32A2	N. O. Cleland	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	18	24	23	11	0	0	0	76	
17N/11W-32H1	N. O. Cleland	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	2	21	30	24	9	0	0	0	86	
17N/11W-32K1	Robert W. Magruder	Irrigation	At area of use	Pump test and power record	0	0	0	0	0	1	0	0	0	0	0	0	1	
17N/12W-24R1	Gregory A. Harrison	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	5	19	22	32	37	6	1	0	0	122*	Stockwater not included.
				UPPER RUSSIAN RIVER SUBUNIT														
12N/11W-2E1	A. DeMarcantonio	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	3	4	1	0	0	0	0	8	
12N/11W-14P1	Robert and Elaine Crandall	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	5	7	7	6	2	3	0	0	31	
13N/11W-6Q1	J. W. Hawn	Irrigation	At area of use	Pump test and power record	0	0	0	0	13	16	23	11	3	0	0	0	66	
13N/11W-7F1	John I. Haas, Inc.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	10	10	10	13	0	0	0	0	43	
13N/11W-18A1	John I. Haas, Inc.	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	44	46	43	39	0	0	0	0	172	
13N/11W-18P1	John N. Gardner	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	3	4	5	8	6	2	0	0	0	28	
13N/11W-18R1	A. F. Moulton Co.	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	12	15	16	24	17	13	7	0	0	104	
13N/11W-19A2	John I. Haas, Inc.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	10	14	7	4	0	0	0	35	
13N/11W-19C1	David J. Henderson and Chris Keiffer	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	5	14	16	3	0	0	0	0	38	
13N/11W-19H1	John I. Haas, Inc.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	24	21	25	23	5	0	0	0	98	
13N/11W-19N1	C.D., F.M., and C.R. Fairbairn	Irrigation	At area of use	Sprinkler test and power record	0	0	0	6	13	13	14	6	1	4	0	0	57	
13N/11W-20P1	Frank Ponzio	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	0	0	1	0	0	0	0	1	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				UPPER RUSSIAN RIVER SUBUNIT (Continued)														
13N/11W-20Q1	Frank Ponzio	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	1	2	9	10	13	12	4	3	0	0	54*	Stockwater not included.
13N/11W-21E1	Irving H. Bliss	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	0	0	0	0	0	0	0	2	
13N/11W-22G1	Swen G. Gummer	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	0	0	6	1	2	0	0	0	9*	Stockwater not included.
13N/11W-28E1	L. Grace	Irrigation and stockwateriog	At reservoir	Change in storage	0	0	0	5	6	7	16	15	2	3	0	0	54	
13N/11W-29Q1	Alex Korabaugh	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	4	4	8	5	4	2	1	0	29	
13N/11W-30A1	Rosetti Brothers	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	10	15	19	8	1	2	1	0	56	
13N/11W-30N1	L. Grace	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	0	9	17	12	0	0	0	0	38*	Stockwater not included.
13N/11W-30J1	Venceslo Milone	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	6	9	10	4	5	0	0	0	34	
13N/11W-33K1	G. P. Bradford	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	9	5	14	13	9	2	0	0	54	
13N/12W-1A1	A. P. Moulton Co.	Irrigation	At area of use	Pump test and power record	0	0	0	8	11	17	14	5	9	9	0	0	73	
13N/12W-1B1	Jessie Crawford	Irrigation and stockwatering	At area of use	Pump test and power record	0	0	0	0	7	11	18	6	2	2	0	0	46*	Stockwater not included.
13N/12W-1H2	J. W. Hawn	Irrigation	At area of use	Pump test and power record	0	0	0	0	11	12	16	14	1	6	3	0	63	
13N/12W-15K1	F. J. Hellman	Irrigation and stockwatering	At area of use	Pump test and power record	0	0	0	0	20	27	21	10	5	14	0	0	97*	Stockwater not included.
13N/12W-24P1	C. W. Johnson	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	4	7	7	6	1	0	0	0	25*	Stockwater not included.
14N/12W-4B1	Martin P. Stipp	Irrigation	At area of use	Pump test and power record	0	0	0	0	22	37	14	23	16	15	1	0	128	
14N/12W-4E1	Joseph A. Lamalfa	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	8	2	0	0	0	0	0	0	10	
14N/12W-4J1	G. K. Schrader	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	32	30	46	26	0	0	0	0	134	
14N/12W-5K1	J. N. Stipp	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	1	13	0	0	0	0	0	0	14	
14N/12W-5P1	J. N. Stipp	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	6	0	0	0	0	0	0	0	6	
14N/12W-9A1	L. Wagner	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	11	0	0	0	0	0	0	11	
14N/12W-10C1	Mrs. Anna Thomas	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	7	11	20	9	6	0	0	0	53	
14N/12W-10C2	Samuel O. Cowen	Irrigation	At area of use	Sprinkler test and power record	0	0	0	7	18	18	12	5	0	0	0	0	60	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				UPPER RUSSIAN RIVER SUBUNIT (Continued)														
14N/12W-10F1	Crellin Fitzgerald	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	26	33	34	30	17	9	0	0	149*	Stockwater not included.
14N/12W-10L1	Louis F. Johnson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	24	29	29	21	6	13	0	0	122	
14N/12W-10P1	Robert C. Kircher	Irrigation	At area of use	Sprinkler test and power record	0	0	3	28	40	71	63	94	16	0	0	0	315	
14N/12W-25F1	John Reed Lowe	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	0	1	0	0	0	0	0	1	
14N/12W-25J1	Estate of Elmer C. Ruddick	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	1	1	1	1	0	0	0	5	
14N/12W-25L1	Ivan Crawford	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	10	16	52	13	13	10	0	0	114*	Stockwater not included.
14N/12W-36Q1	Clifford W. Crawford	Irrigation and stockwatering	At area of use	Sprinkler test and power records	0	0	0	0	20	23	32	33	15	7	7	4	141*	Stockwater not included.
15N/12W-5R1	E. G. Harmon	Irrigation	At area of use	Pump test and power record	0	0	0	0	0	5	14	10	0	0	0	0	29	
15N/12W-9E1	Neva L. Kunzler	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	2	6	10	0	0	0	0	18	
15N/12W-16Q1	Harriet O. White	Irrigation	At area of use	Sprinkler test and power record	0	0	0	8	6	15	5	3	0	0	0	0	37	
15N/12W-16Q2	Agnes C. Thomas	Irrigation	At area of use	Pump test and power record	0	0	0	0	7	12	19	8	1	0	0	0	47	
15N/12W-16L1	S. W. Watson	Irrigation	At area of use	Pump test and operation record	0	0	0	0	28	25	26	26	14	8	0	0	127	
15N/12W-25F1	Mendocino State Hospital	Irrigation	At reservoir	Change in storage	- * - - - - - - - - - - - - - - - - - - -												22	Monthly values undetermined.
15N/12W-25R1	Mendocino State Hospital	Irrigation	At reservoir	Change in storage	0	0	0	0	4	61	23	4	0	0	0	0	92	
15N/12W-28A1	Sterling Norgard	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	9	9	4	0	0	0	0	22	
15N/12W-28F1	Russell Scott	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	7	5	7	1	0	2	3	1	26	
15N/12W-28G1	Minnie G. Scott; James E. and Chaplin Williams	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	10	9	7	7	6	0	0	39	
15N/12W-28L1	Mendocino State Hospital	Irrigation	At area of use	Pump test and power record	0	0	0	0	0	16	70	45	0	0	0	0	131	
15N/12W-28L2	Russell Scott	Irrigation	At area of use	Pump test and power record	0	0	0	0	13	41	35	18	0	9	2	0	118	
15N/12W-28L3	Everett Cox	Irrigation	At area of use	Pump test and power record	0	0	0	0	6	15	22	3	4	0	0	0	50	
15N/12W-33L1	Sterling Norgard	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	18	11	6	1	0	0	0	37	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
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MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				UPPER RUSSIAN RIVER SUBUNIT (Continued)														
15N/12W-33Q1	A. R. Thomas	Irrigation	At area of use	Sprinkler test and power record	0	0	0	13	53	39	42	52	22	0	0	0	221	
15N/13W-12A1	P. Bricarella and Hollow Tree Lumber Co.	Irrigation and industrial	At area of use	Pump test and power record	1	1	2	2	3	3	4	3	2	2	2	2	27	
16N/12W-16P1	Durable Fir and Lumber Co.	Industrial	At area of use	Pump test and operation record	0	0	0	7	7	7	5	0	30	3	0	0	59	
16N/12W-28P1	Arthur B. Siri, Inc.	Industrial	At area of use	Pump test and operation record	4	3	5	13	14	15	15	13	13	13	13	13	134	
16N/12W-29E1	Loren and Mark York	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	3	3	2	2	1	0	0	0	11	
16N/12W-32C1	Loren and Mark York	Irrigation	At area of use	Pump test and operation record	0	0	0	1	2	6	1	0	0	0	0	0	10	
16N/12W-33K1	David G. Thompson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	8	13	8	5	10	11	0	55	
16N/12W-33K2	Floyd C. Lawrence	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	3	6	6	6	3	5	0	0	29	
				MIDDLE RUSSIAN SUBUNIT														
9N/7W-7C1	Gilbert Foote	Irrigation	At area of use	Sprinkler test and power record	0	0	0	13	14	23	30	22	12	14	3	0	131	
9N/7W-17C1	Douglas Clegg; Margaret and J. A. Radway	Irrigation	150 Feet below diversion point	Staff gage and depth flow relationship	- - - NR - - - -			120	74	57	46	39	33	30	29	30	458	
9N/7W-17L1	Douglas Clegg	Irrigation	At area of use	Sprinkler test and power record	0	0	0	15	11	31	32	30	16	14	6	2	157	
9N/7W-18R1	Hooper Jackson	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	4	4	0	0	0	0	0	0	8	
9N/7W-20H1	Robert C. Eckart	Irrigation and recreation	At area of use	Sprinkler test and power record	0	0	0	0	0	3	4	2	0	0	0	0	9	
9N/8W-3L1	LaFranchi Bros.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	3	6	7	8	5	0	0	0	30	
9N/8W-3H1	R. M. Hickman	Stockwatering	At area of use	Pump test and power record	0	0	0	0	2	2	3	3	2	0	0	0	12	
9N/8W-7D1	Donald E. Moho, et. al.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	0	1	2	1	0	0	0	4	
9N/8W-7N1	Wallace Johnson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	23	41	82	61	67	34	32	2	0	342	
9N/8W-8H1	Peter Lowe	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	14	20	11	4	3	6	14	0	73	
9N/8W-16L1	Peter Lowe	Irrigation and recreation	At area of use	Sprinkler test and power record	0	0	2	5	9	10	9	2	2	0	0	0	39	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
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MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				MIDDLE RUSSIAN RIVER SUBUNIT (Continued)														
9N/8W-17G1	Paul B. Young	Irrigation and domestic	At area of use	Sprinkler test and power records	0	0	0	4	10	11	5	1	1	6	3	1	42*	Small domestic use not included in total.
9N/8W-18C1	Wallace Johnson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	15	34	44	56	44	22	16	6	5	242	
9N/8W-18G1	James Petersen	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	7	6	7	4	1	0	0	26	
9N/8W-19A1	Percy Welch	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	4	8	2	0	5	0	0	0	19	
9N/8W-19J1	Fred Zanoline	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	2	5	5	5	3	1	1	0	0	22*	Stockwater not included.
9N/8W-19J2	Arnold V. Rasmussen	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	11	28	40	38	36	18	19	12	1	203*	Stockwater not included.
9N/8W-20A1	Elmer Axell	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	17	18	15	1	0	1	1	0	53	
9N/8W-20E1	Elmer Axell	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	13	9	3	3	1	9	1	0	39	
9N/8W-21K1	A. B. Siri	Irrigation	At reservoir	Change in storage	- - -	NR	- - - -		7	7	6	14	6	5	1	0	NR	46	
9N/8W-24A1	Lew W. Cook	Irrigation, stockwatering, and recreation	At area of use	Sprinkler test and power record	0	0	0	0	3	21	15	15	4	0	0	0	58	
9N/8W-33M1	Clarence Wright	Irrigation, stockwatering, and recreation	At reservoir	Change in storage	0	0	0	0	2	2	3	2	0	1	0	0	10	
9N/9W-1P1	Henry Dick	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	41	34	20	0	10	0	0	0	105	
9N/9W-2F2	Grace Brothers, Inc.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	2	7	13	10	0	4	1	0	37	
9N/9W-5D1	Salvation Army Lytton Home	Domestic	Storage tank lines	Pipeline discharge and flow period	3	3	3	3	3	3	3	3	3	3	3	3	36	
9N/9W-5J1	Salvation Army Lytton Home	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	1	9	18	16	3	13	15	14	89*	Stockwater not included.
9N/9W-12B1	Paul and Walter Rued	Irrigation	At area of use	Sprinkler test and power record	0	0	0	7	17	23	35	26	15	6	2	0	131	
9N/9W-14C1	Foppiano Brothers	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	7	11	11	3	1	0	0	0	34	
9N/9W-14D1	Rio Linda Academy	Irrigation		Estimated	0	0	0	0	0	0	0	1[e]	0	1[e]	0	0	2	
9N/9W-15G1	Rio Linda Academy	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	1	0	2	2	0	5	0	2	12	
10N/7W-20K1	Barbara Smith	Industrial power	At area of use	Straight line discharge prorate	- -	NR	- -	33	30	30	31	29	24	24	25	21	23	270	
10N/9W-18C1	Leslie McDonald Ploch	Irrigation	At area of use	Sprinkler test and power record	0	0	0	4	5	3	3	3	1	0	0	0	19	
10N/9W-18C2	Harlan B. Remmel	Irrigation	At area of use	Sprinkler test and power record	0	0	2	4	6	3	9	5	0	0	4	1	34	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
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MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				MIDDLE RUSSIAN RIVER SUBUNIT (Continued)														
10N/9W-18C3	Earl Douglas	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	1	12	21	21	27	8	8	2	6	1	107*	Stockwater not included.
10N/9W-23P1	Robert Young	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	6	4	2	0	0	0	0	0	12*	Stockwater not included.
10N/9W-25E1	Robert Young	Irrigation	At reservoir	Change in storage	0	0	0	0	0	0	3	0	0	0	0	0	3	
10N/10W-4B1	Italian Swiss Colony Winery	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	69	0	0	0	0	0	0	69	
10N/10W-11G1	Edward Pratti	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	0	3	0	0	0	0	0	3	
11N/10W-5M1	L. L. and Lena Tyler	Irrigation	At area of use	Pump test and power record	0	1	5	8	15	14	12	8	9	9	7	2	90	
11N/10W-5M2	Lyall T. Neat	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	2	3	3	1	1	1	0	13	
11N/10W-6C1	Golden Rule Church Association	Irrigation	At area of use	Pump test and power record	0	0	0	0	2	2	3	2	2	0	0	0	11	
12N/11W-25E1	Jesse F. McCutchan	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	4	5	6	6	2	1	0	0	25	
12N/11W-25E2	Walter L. Haehl	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	2	2	2	0	0	0	0	7	
				DRY CREEK SUBUNIT														
8N/9W-6B1	Arthur H. and Ruth L. Folger	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	1	2	1	1	0	0	0	0	5	
8N/10W-4G1	Harold B. Sanne	Irrigation	At area of use	Sprinkler test and power record	0	1	2	3	5	6	3	2	0	1	0	0	23	
9N/9W-6D1	Albert B. Johnson	Irrigation, stock-watering, and recreation	At area of use	Sprinkler test and operation record	0	0	0	1	0	0	1	1	1	1	0	0	5*	Stockwater not included.
9N/9W-6D2	Joseph W. Salz	Irrigation and recreation	At area of use	Sprinkler test and power record	0	0	0	1	2	3	3	5	4	2	1	2	23	
9N/9W-7M1	Ernest H. Witbro	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	4	4	4	0	4	0	0	16	
9N/9W-7N1	Kenneth Ness	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	6	6	0	6	0	0	0	18	
9N/9W-30M1	C. H. Rickman	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	5	8	9	7	3	2	2	0	38	
9N/9W-31C1	Vad Jelton	Irrigation, stock-watering, and domestic	At area of use	Pump test and power record	0	1	2	2	8	1	5	2	3	2	1	0	27	Stockwater and domestic use not included.
9N/9W-31J1	Harold Schmidt	Irrigation and recreation	At area of use	Sprinkler test and operation record	0	0	0	0	3	7	1	0	0	6	7	0	~~24~~	
9N/10W-1M1	Therman Howe	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	3	6	2	0	0	0	0	0	11	

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TABLE 7
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MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				DRY CREEK SUBUNIT (Continued)														
9N/10W-2C1	Jack Mounts	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	7	14	0	1	0	0	0	0	22	
9N/10W-2G1	Paul LeBaron	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	20	30	16	0	0	0	0	0	0	66	
9N/10W-2G2	Carl F. Nelson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	9	11	5	0	0	0	0	25	
9N/10W-2N1	Americo Rafanelli	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	9	4	1	0	0	0	0	14	
9N/10W-2H2	Carl P. Nelson	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	9	11	12	0	0	0	0	0	32	
9N/10W-12C1	Lisaauer and Myer	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	3	0	0	0	0	0	0	3	
10N/10W-9E1	O. C. Oakleaf	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	1	1	1	0	0	0	0	4	
10N/10W-15N1	Peter Roman	Recreation and stockwatering	At reservoir	Change in storage	0	0	0	0	1	1	2	3	2	2	0	0	11	
10N/10W-21B1	Walter G. Bell	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	9	11	7	3	0	0	0	0	30	
10N/10W-21C1	Mrs. A. DelCarlo	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	5	3	0	0	2	0	0	10	
10N/10W-22L1	Grace, Fred, and Robert Hartsock	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	4	0	0	0	0	0	0	0	4	
10N/10W-35M1	Henry C. Witbro	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	2	0	0	0	0	2	0	6	
10N/10W-35N1	Timber Crest Farms	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	13	8	23	10	0	0	0	0	0	54	
10N/11W-12P1	Walter Nutter	Irrigation	At area of use	Pump test and operation record	0	0	0	0	6	11	0	0	0	0	0	0	17	
11N/11W-33G1	Mary E. Wilen	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	3	5	3	1	0	0	0	14	
				MARK WEST SUBUNIT														
7N/9W-10B1	Russell L. Denner	Irrigation	At area of use	Pump test and operation record	0	0	0	0	1	18	0	0	0	0	0	0	19	
8N/7W-20E1	Lavone C. Priest	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	1	1	0	2	2	0	0	0	0	0	0	6*	Stockwater not included
8N/7W-27H1	R. B. Newman	Stockwatering	At area of use	Sprinkler test and operation record	- * -													Included in 8N/7W-27H2
8N/7W-27H2	R. B. Newman	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	5	1	0	0	0	0	0	8*	Includes 8N/7W-27N1
8N/7W-29B1	A. W. Sloat	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	0	1	0	0	0	0	0	1	

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TABLE 7
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MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				MARK WEST SUBUNIT (Continued)														
8N/8W-5K1	Mary Gubbins Larkin	Irrigation, stockwatering, and recreation	At reservoir	Estimated from change in storage	-	-	-	-	-	**	-	-	-	-	-	-	8	
8N/8W-6R1	George Grescott	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	1	13	3	2	1	0	0	0	0	20	
8N/8W-7C1	Stanley D. Arata	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	2	4	4	4	5	1	0	0	0	20	
8N/8W-29R1	Ira F. and Edith E. Brown	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	2	5	8	7	1	0	0	0	24	
8N/8W-30Q1	A. Gilardoni	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	5	6	3	2	3	4	2	0	25*	Stockwater not included. Includes 8N/8W-31C1.
8N/8W-31C1	A. Gilardoni	Irrigation	At area of use	Sprinkler test and power record	-	-	-	-	-	*	-	-	-	-	-	-	-	Included in 8N/8W-30Q1.
8N/8W-34K1	J. M. Salinger	Irrigation	At area of use	Sprinkler test and operation records	0	0	0	0	4	6	5	3	2	2	0	0	22	
8N/9W-1H1	William G. Wilson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	6	6	7	6	3	1	1	1	32	
8N/9W-1K1	Joseph Bottasso	Irrigation	At reservoir	Estimated from change in storage	-	-	-	-	-	**	-	-	-	-	-	-	32	Includes 8N/9W-1Q1.
8N/9W-1Q1	Joseph Bottasso	Irrigation	At area of use	Sprinkler test and power record	-	-	-	-	-	*	-	-	-	-	-	-	-	Included in 8N/9W-1K1.
8N/9W-22A1	A. O. Buhler	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	2	2	2	0	0	0	0	0	7	
8N/9W-34F1	John Williams, Jack Jenson, and A. A. Muchow	Irrigation	At area of use	Sprinkler test and power record	0	0	0	5	21	19	11	0	6	13	5	0	80	
8N/9W-35Q1	Eugene Slasser	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	8	0	0	0	0	0	0	0	8	
9N/8W-31E1	Dorothy W. Atkinson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	4	4	4	4	1	1	0	0	0	18	
				SANTA ROSA SUBUNIT														
6N/7W-2H1	Gilbert Walker	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	1	3	4	5	3	2	0	0	0	18*	Stockwater not included.
6N/7W-3J1	Gilbert Walker	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	3	4	5	8	8	5	4	0	0	37*	Stockwater not included.
6N/7W-4R1	Beck Brothers	Irrigation and recreation	At area of use	Sprinkler test and power record	0	0	0	3	3	7	5	4	7	6	3	0	38	
6N/7W-23J1	Clara A. Duerson	Irrigation, stockwatering, and domestic	At area of use	Sprinkler test and operation record	0	0	0	0	0	2	2	1	1	0	0	0	6*	Stockwater and small domestic use not included.
7N/7W-5K1	Annabel L. Lagomarsino	Irrigation, stockwatering, and recreation	At area of use	Sprinkler test and operation record	0	0	0	0	1	1	2	1	1	0	0	0	6*	Stockwater not included.

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TABLE 7
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MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				SANTA ROSA SUBUNIT (Continued)														
7N/7W-8B1	Joseph Massini	Irrigation	At reservoir	Change in storage	- * -												9*	Monthly values not determined.
7N/7W-14Q1	Kenton Smith	Irrigation and recreation	At area of use	Change in storage	0	0	0	0	1	1	2	2	1	1	0	NR	8	
7N/7W-16B1	City of Santa Rosa	Municipal	Weir immediately above reservoir	Weir records	263	243	332	344	358	223	- - - - - - - - - - * - - - - - - - - - -						1,763	No municipal use after July 1959.
7N/7W-23A1	Estate of Paul X. Smith	Irrigation and stock-watering	At reservoir	Change in storage	- - - - NR - - - - - - -				3	8	7	6	2	3	0	NR	29	
7N/7W-24C1	Estate of Paul X. Smith	Irrigation and stock-watering	At reservoir	Change in storage	- * -												- - - -	Included in 7N/7W-24D1.
7N/7W-24D1	Estate of Paul X. Smith	Irrigation and stock-watering	At reservoir	Change in storage	- - - - NR - - - - - - -				9	11	14	17	7	12	1	NR	71*	Includes 7N/7W-24C1.
7N/8W-2F1	R. N. Walter	Irrigation	At reservoir	Change in storage	- - - - NR - - - - - - -				47	62	80	58	25	29	19	NR	320	
7N/8W-3J1	W. L. Armstrong	Irrigation and recreation	At area of use	Sprinkler test and operation record	0	0	0	0	0	0	0	0	1	1	0	0	2	
7N/8W-17N1	Peterson Farms	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	3	7	6	7	0	0	0	0	23	
7N/8W-18R1	Harry Rasmussen	Irrigation	At area of use	Sprinkler test and power record	0	0	0	12	16	28	24	29	15	3	0	0	127	
7N/8W-18N1	Wendel Dairy	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	11	16	9	12	7	2	1	0	58	
7N/8W-20C1	Wards Investment Co.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	8	8	9	10	4	3	1	0	43	
7N/8W-21E2	Romille J. Caselli and W. S. Peterson	Irrigation	At area of use	Sprinkler test and power record	0	0	4	4	3	8	15	12	7	6	1	0	60	
7N/8W-22K1	C. E. Carlson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	12	14	14	11	5	7	13	6	82	
7N/8W-22L1	Warren Dutton	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	1	5	8	9	2	0	0	0	26	
7N/9W-13P1	Paul Christensen	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	6	23	10	24	20	33	1	0	117	
7N/9W-13P2	Chris Ketelsen	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	10	21	10	16	4	11	10	1	83	
7N/9W-14M1	Elinor and Gus Luera	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	10	0	0	0	0	0	0	0	10	
				LACUNA SUBUNIT														
6N/7W-21N1	George F. Orr	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	3	3	3	2	1	1	0	0	14	
6N/7W-22P1	Ransom Cook	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	0	0	5	5	3	1	0	14	
6N/9W-12A1	Annabel L. Lagomarsino	Irrigation	At area of use	Sprinkler test and power record	0	0	0	9	4	0	0	0	0	0	0	0	13	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				LAGUNA SUBUNIT (Continued)														
6N/9W-12B1	John J. Camotta	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	1	4	2	1	1	1	2	1	0	13	
6N/9W-24E1	George Nahmens	Irrigation and stock-watering	At area of use	Pump test and power record	0	0	5	3	1	1	0	0	0	0	0	0	10	Stockwater not included.
7N/9W-15J1	Louis A. Frei	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	17	9	3	1	0	1	10	3	44	
7N/9W-22B1	Tom and Joe Furusho; L. W. Winkler	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	15	17	16	11	6	1	0	0	68*	Includes 7N/9W-22C1.
7N/9W-22L1	C. S. Farris	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	2	3	3	3	2	2	1	0	18	
7N/9W-22R1	Findley Ranch Land Company	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	2	4	12	12	0	0	0	0	30	
7N/9W-23E1	R. K. Carlson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	3	8	5	8	8	4	5	2	0	43	
7N/9W-26L1	Findley Ranch Land Company	Irrigation	At area of use	Sprinkler test and power record	0	0	0	5	0	27	25	14	12	19	11	12	125	
7N/9W-35B1	Emma Baker	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	4	12	1	10	7	0	0	0	34	
7N/9W-35B2	Jack Dei	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	18	20	3	11	7	5	3	0	67	
7N/9W-35B3	Louise K. Nelson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	8	9	0	7	4	2	0	0	30	
7N/9W-35H1	Jack Dei	Irrigation	At area of use	Sprinkler test and power record	0	0	0	4	30	27	23	41	17	16	10	0	168	
				LOWER RUSSIAN SUBUNIT														
6N/9W-5K1	William Ala	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	1	1	0	1	0	0	0	3	
6N/9W-5K2	K. E. Tucker	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	1	1	1	0	0	0	0	3	
6N/9W-5L1	George Lopizich	Irrigation	At pump	Estimated	0	0	0	0	0	1[a]	0	0	0	0	0	0	1	
6N/9W-5M1	Bert Garner	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	1	2	2	1	1	1	0	0	8	
6N/9W-7A1	Marshall W. Ornbaun	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	1	2	1	1	0	0	0	6	
7N/9W-16E1	Don L. Winkler	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	8	6	4	4	2	1	3	1	31	
7N/9W-18A1	E. S. Townsend	Irrigation	At reservoir	Change in storage	0	0	0	0	1	1	1	1	0	0	0	0	4	
7N/9W-18A2	E. S. Townsend	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	2	0	0	0	0	0	0	0	2	
7N/9W-20A1	W. S. Winkler	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	4	2	0	2	3	2	0	0	14	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet													Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				LOWER RUSSIAN SUBUNIT (Continued)														
7N/9W-20D1	L. C. Scheidecker	Irrigation	At area of use	Sprinkler test and power record	0	0	0	4	6	6	1	0	0	5	2	0	24	
7N/9W-28M1	Albert Helwig	Irrigation	At area of use	Sprinkler test and power record	0	0	0	5	17	8	12	23	13	10	0	0	88	
7N/9W-30A1	N. O. Lindberg	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	2	4	1	0	0	0	0	0	7	
7N/9W-30Q1	Mrs. O. C. Simpson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	1	1	1	1	0	0	0	4	
7N/10W-5P1	Jan Stibbi	Irrigation	At area of use	Sprinkler test and power record	0	0	1	6	12	15	18	17	6	3	2	0	80	
7N/10W-18C1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												295	Includes all diversions of Citizens Utilities Company of Ceurneville. See TABLE 8 for list.
7N/10W-18Q1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/10W-23E1	Albert and Fred Gerhardt	Irrigation	At area of use	Sprinkler test and power record	0	0	1	3	8	12	14	11	5	10	5	1	70	
7N/10W-34K1	Occidental Water Works	Municipal	At diversion	Meter records	0	0	1	1	1	1	0	0	0	0	0	0	4	
7N/11W-11N1	George Casini	Irrigation	At area of use	Sprinkler test and power records	0	0	0	0	0	1	4	3	1	0	0	0	9	
7N/11W-12C1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/11W-12J1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/11W-12L1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/11W-12M1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/11W-12R1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/11W-12R2	Citizens Utilities Company	Municipal	At spring	Estimate	- * -													Included in 7N/10W-18C1.
7N/11W-17G1	E. J. Willig	Irrigation	Above reservoir	Staff gage and depth-flow relationship	1	1	1	1	1	1	2	2	1	1	1	1	14	
7N/11W-18B1	Cecil and Fred Mecum	Domestic	At diversion	Time-quantity relationship	- * -												9*	Monthly values are 0.7 to 0.8 acre feet per month.
7N/11W-18G1	Cecil and Fred Mecum	Domestic	At diversion	Time-quantity relationship	- * -												7*	Monthly values are 0.5 to 0.6 acre feet per month.
8N/9W-2G1	Albert LeBrett	Irrigation, stock-watering, and recreation	At area of use	Sprinkler test and operation record	0	0	0	0	1	2	2	1	1	0	0	0	7	Stockwater not included.
8N/9W-3E1	Jim LeBaron	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	2	4	0	4	0	6	2	0	2	20	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				LOWER RUSSIAN SUBUNIT (Continued)														
8N/9W-3P1	John Preston Ranch Company	Irrigation	At area of use	Sprinkler test and power record	0	0	0	27	76	81	89	87	68	40	22	0	490	
8N/9W-9H1	John Preston Ranch Company	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	5	22	23	23	12	0	7	0	92	
8N/9W-16A1	Alex S. Russell	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	24	33	33	24	18	4	0	0	137	
8N/9W-16A2	E. O. Thompson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	4	18	21	20	15	20	9	1	108	
8N/9W-16H1	Sonoma Ranch Co.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	6	10	2	0	0	0	0	0	20	
8N/9W-16H2	Warren Richardson	Irrigation	At area of use	Sprinkler test and power record	0	0	0	23	62	83	80	77	68	41	10	0	444	
8N/9W-20Q1	Lisco Pencil Co.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	14	13	22	11	0	0	0	0	60	
8N/9W-21B1	Adelma W. Fenton	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	17	10	3	4	0	0	0	34	
8N/9W-21L1	C. S. Litton	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	19	21	15	6	6	2	0	69	
8N/9W-29B2	Bonsmar Farms	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	8	14	8	9	0	0	0	39	
8N/9W-29F1	Sonoma County Flood Control and Water Conservation Dist.	Municipal and irrigation	At reservoir	Meter record	0	0	0	0	0	383	864	754	553	506	414	376	3,850	
8N/9W-31B1	L. M. Meredith	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	7	8	6	2	0	0	0	23*	Includes 8N/9W-31H1.
8N/9W-31H1	L. M. Meredith	Irrigation	At area of use	Sprinkler test and power record	- * -													Included in 8N/9W-31B1.
8N/9W-32D1	Everett S. Ballard	Irrigation	At area of use	Sprinkler test and power record	0	0	1	2	15	20	16	10	9	2	0	0	75	
8N/9W-32J1	Peterson Farms	Irrigation	At area of use	Sprinkler test and power record	0	0	0	1	8	13	15	9	6	5	1	0	58	
8N/9W-32J2	Mrs. Jack Loomis	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	7	8	7	4	4	3	0	34	
8N/9W-32K1	Harold A. Boyd	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	6	3	0	0	0	0	0	9	
8N/9W-32L1	Joe Rochioli	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	0	2	0	1	0	0	0	3	
8N/9W-32L2	Sonoma Ranch Co.	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	8	18	17	6	0	0	0	0	49	
8N/9W-33K1	Arland F. Emert	Irrigation	At area of use	Sprinkler test and power record	0	0	0	12	24	26	34	28	13	1	0	0	138	
8N/9W-33L1	Peterson Farms	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	9	4	1	0	0	0	0	15	
8N/9W-33M1	Tom Fish	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	8	20	23	22	11	2	4	0	92	

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet												Remarks
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	
				LOWER RUSSIAN SUBUNIT (Continued)														
8N/9W-33M2	Arland F. Emert	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	10	46	31	11	0	0	0	98	
8N/10W-8A1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
8N/10W-16R1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
8N/10W-31K1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
8N/10W-31P1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
8N/11W-36Q1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
8N/11W-36P1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
8N/11W-36G1	Citizens Utilities Company	Municipal	At spring	Estimate	- * -												----	Included in 7N/10W-18C1.
9N/9W-21R1	Basalt Rock Co.	Industrial	At diversion point	Pump test and operation record	5	4	9	8	12	17	10	8	7	9	7	7	103	
9N/9W-21R2	Basalt Rock Co.	Industrial	At diversion point	Pump test and operation record	49	39	78	70	107	150	94	67	60	77	67	60	918	
				AUSTIN CREEK SUBUNIT														
8N/11W-16M1	Cazadero Water Co.	Municipal	At meters	Meter readings	- * -												14	Monthly values not available.
8N/11W-17N1	Cazadero Water Co.	Municipal	At meters	Meter readings	- * -												*	Included in 8N/11W-16M1.
8N/11W-20H1	Cazadero Water Co.	Municipal	At meters	Meter readings	- * -												*	Included in 8N/11W-16M1.
				BODEGA SUBUNIT														
5N/8W-8K1	W. Volkerts	Stockwatering and recreation	At reservoir	Change in storage	0	0	0	1	2	2	2	2	1	2	1	0	13	
5N/8W-16Q1	Martin J. Witt	Irrigation	At reservoir	Change in storage	- - - - -	NR	- - - - -		1	1	1	1	5	3	0	NR	12	
5N/8W-16R1	Martin J. Witt	Irrigation	At reservoir	Change in storage	- - - -	NR	- - -	1	1	3	2	2	4	6	1	NR	20	
5N/8W-32B1	Mrs. E. Seimer	Stockwatering and domestic	At reservoir	Change in storage	- - - -	NR	- - -	1	1	1	1	1	0	1	1	NR	7	
5N/9W-3C1	Roland Matteri	Irrigation	At reservoir	Change in storage	- - - - -	NR	- - - - -		3	5	3	3	1	3	0	NR	18	
5N/9W-3M1	St. Anthony Farms, Inc.	Irrigation	At area of use	Sprinkler test and power record	0	1	0	0	1	0	1	1	1	0	0	0	5	
5N/9W-10B1	Marie Smith	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	1	5	5	4	3	1	1	0	20	
5N/9W-22M1	William E. and Evelyn Souza	Irrigation	At area of use	Sprinkler test and power record	0	0	0	0	0	2	3	1	0	4	4	0	14*	Includes 5N/9W-22P1.

FOR EXPLANATION OF SYMBOLS AND FOOTNOTES SEE LAST PAGE OF TABLE

TABLE 7
(Continued)
MONTHLY RECORDS OF SURFACE WATER DIVERSIONS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

Location number	Diversion name or owner	Use	Point of measurement or estimate	Method of observation and calculation	Amount diverted, in acre-feet: Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Remarks
				BODEGA SUBUNIT (Continued)														
5N/9W-22P1	William E. and Evelyn Souza	Irrigation	At area of use	Sprinkler test and operation record	- -	- -	- -	- -	- -	*	- -	- -	- -	- -	- -	- -	- -	Included in 5N/9W-22M1.
5N/9W-26E1	Charles Garzoli	Stockwatering	At reservoir	Change in storage	- -	NR	- -	1	1	2	2	2	1	1	1	NR	11	
5N/10W-4P1	Donald Pellascio	Stockwatering	At reservoir	Change in storage	- -	NR	- -	1	1	2	2	1	3	2	1	NR	13	
6N/8W-31E1	Arthur C. Iverson	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	0	0	1	1	1	0	0	1	0	4e	Stockwater not included
6N/10W-2L1	Emil Oden	Irrigation	At area of use	Sprinkler test and operation record	0	0	0	0	0	1	0	0	0	1	0	0	2	
6N/10W-12J2	Adolph Trappe	Irrigation	At area of use	Sprinkler test and operation time estimate	0	0	0	0	2	2	2	2	1	0	0	0	9	
6N/10W-12P1	Robert P. Vidale	Irrigation and stockwatering		Estimate	0	0	0	0	0	1	0	0	0	0	0	0	1e	Does not include stockwater.
6N/10W-13K1	Guy L. Mano, Jr.	Irrigation		Estimate	0	0	0	0	0	4	0	0	0	0	0	0	4e	
6N/10W-18R1	Mary Maffia	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	1	1	0	0	0	0	0	0	2e	Does not include stockwater.
6N/10W-22L1	George Giordano	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	0	6	13	13	1	0	0	0	33e	Does not include stockwater.
6N/10W-22N1	George Giordano	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	7	15	0	0	0	0	0	0	0	22e	Does not include stockwater.
6N/10W-26C1	Mrs. Marie Bianchi	Stockwatering	At reservoir	Change in storage	- -	NR	- -	1	1	1	1	1	0	1	0	NR	6	
6N/11W-14R1	Charles Welling	Irrigation and stockwatering	At area of use	Sprinkler test and operation record	0	0	0	0	0	3	4	3	1	0	0	0	11e	Does not include stockwater.
7N/10W-34L1	Occidental Water Works	Municipal	*	*	- -	- -	- -	- -	- -	*	- -	- -	- -	- -	- -	- -	- -	Included in 7N/10W-34K1. (Lower Russian Subunit)
7N/10W-34L2	Occidental Water Works	Municipal	*	*	- -	- -	- -	- -	- -	*	- -	- -	- -	- -	- -	- -	- -	Included in 7N/10W-34K1. (Lower Russian Subunit)
				WALKER CREEK SUBUNIT														
4N/8W-25M1	A. T. Dokini	Irrigation and stockwatering	At area of use	Sprinkler test and power record	0	0	0	0	0	19	18	21	13	13	11	0	95e	Stockwater not included.
4N/8W-31G1	Estate of Angelina Berri	Irrigation	At area of use	Sprinkler test and power record	0	0	0	2	7	1	0	0	0	0	0	0	10	
4N/9W-11C1	Estate of Tomasini	Stockwatering	At reservoir	Change in storage	- -	NR	- -	3	2	2	2	2	2	1	2	NR	16	
5N/9W-35Q1	J. P. Bloom	Stockwatering	At reservoir	Change in storage	- -	NR	- -	2	2	3	3	3	1	3	1	NR	18	

* See remarks.
e Monthly values estimated.
--*-- Diversion estimated for period indicated.
--NR-- No record for period indicated.

TABLE 8

INDEX TO SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT

Diversion name or owner	Location number	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Adreveno, Roy	16N/12W-8R1	Forsythe Creek	5	37,82,120
A. F. Moulton Company	13N/11W-18R1	Upper Russian	9	C-24,41,83,122
	13N/12W-1A1	Upper Russian	8	C-24,42,84,122
	13N/12W-1H1	Upper Russian	8	C-24,42,122
Ala, William	6N/9W-5K1	Lower Russian	23	67.92,132
Alpin T.	6N/7W-17B1	Laguna	24	C-25,65,131
Alves, M. A.	17N/11W-17D1	Coyote Valley	3	C-11,39.82,121
Annadel Dam No. 1	See Hillcone Steamship Company		-	
Appleton, W. H.	9N/9W-35G1	Lower Russian	17	75
Arata, Stanley D.	8N/8W-7C1	Mark West	19	C-17,60,90,129
Armstrong, W. L.	7N/8W-3J1	Santa Rosa	22	64,91,130
Arthur B. Siri Inc.	16N/12W-28P1	Upper Russian	5	46.86
Asti Dam	See Italian Swiss Colony		-	
Atkinson, Dorothy	9N/8W-31E1	Mark West	17	C-21,61,90,129
Auradoli, Clem	9N/9W-7F1	Dry Creek	-	C-15
Axell Dam	See Axell, Elmer		-	
Axell, Elmer	9N/8W-20A1	Middle Russian	17	C-19,49,87,126
	9N/8W-20E1	Middle Russian	17	C-15,49,87.126
Azalea Dam	See Gerhardt, Albert & Fred		-	
Baker, Emma	7N/9W-35B1	Laguna	21	C-12,66,92,131
Ballard, Everett	8N/9W-32D1	Lower Russian	19	C-12,C-18,73,94.133
Ballard, Hubert	8N/9W-29P1	Lower Russian	19	C-15,73,133
Bartolomei Bros.	15N/12W-22K1	Upper Russian	6	45,124
Basalt Rock Co.	9N/9W-21R1	Lower Russian River	17	75,95
	9N/9W-21R2	Lower Russian	17	75,95
Beck Bros.	6N/7W-4R1	Santa Rosa	24	C-19,C-22,62,90,120
Bell, Walter G.	10N/10W-21B1	Dry Creek	14	28,57,89
Bengtson, Stanley C.	6N/8W-7K1	Laguna	24	C-15,65,131
Berri, Angelina, Estate of	4N/8W-31G1	Walker Creek	28	79,96,135
Bevans Creek Dam	See Harrison, Gregory A.		-	
Bianchi, Maria	6N/10W-26C1	Bodega	23	78,96
Black, James	11N/10W-28L2	Middle Russian	13	C-23,54,127
Blewitt, Agnes	8N/7W-19R1	Mark West	20	59
Bliss, Irving H.	13N/11W-21E1	Upper Russian	9	C-15,42,84,122
Bloom, J. P.	5N/9W-35Q1	Walker Creek	26	79,96

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Bohnstedt, H.	17N/12W-32G2	Forsythe Creek	3	37,120
Bolden, Ruth	See Stickney, Ruel		-	
Bolla, Lloyd	4N/8W-3D1	Walker Creek	28	79
Bonamar Farms	8N/9W-29B2	Lower Russian	19	C-11,73,94
Bottasso, Joseph	8N/9W-1K1	Mark West	19	C-16,C-22,61,90,129
	8N/9W-1Q1	Mark West	19	C-16,C-22,61,90,129
Boucher, Francis M.	11N/10W-32C1	Middle Russian	13	54
Bowen, J. E. and Ruth	9N/8W-17N1	Middle Russian	17	C-12,49,125
Boyd, Harold A.	8N/9W-32K1	Lower Russian	19	73,94
Bradford, G. P.	13N/11W-32A1	Upper Russian	9	C-23,42,122
	13N/11W-33M1	Upper Russian	9	C-23,42,122
	13N/11W-33K1	Upper Russian	9	C-23,42,84,122
Bradford, E. W.	See Robertson and E. W. Bradford		-	
Bricarelli, F.	15N/12W-16E2	Upper Russian	6	C-16,45,123
Bricarelli, F. & Hollowtree Lumber Company	15N/13W-12A1	Upper Russian	6	C-15,46,86,125
Brown, Ira, & Edith K.	8N/8W-29K1	Mark West	19	C-12,60,90,129
Buhler, A. O.	8N/9W-22A1	Mark West	19	61,90,129
California Water Service Co.	6N/7W-26F1	Laguna	24	C-11,65
Camotta, John J.	6N/9W-12B1	Laguna	23	C-12,66,92,131
Camp Meeker Water System	7N/10W-27C1	Lower Russian	21	70
Carithers, D. E.	6N/7W-6J1	Santa Rosa	24	C-12,62
Carlson, C. E.	7N/8W-22K1	Santa Rosa	22	C-10,64,91,130
Carlson, R. K.	7N/9W-23E1	Laguna	21	66,92
Caselli, Romillo J. and Peterson, W. S.	7N/8W-21E2	Santa Rosa	22	64,91,130
Casentino, A.	7N10W-1G1	Lower Russian	21	69,132
Casini, George	7N/11W-11N1	Lower Russian	21	C-14,70,93,132
Caspersen, C. H.	9N/10W-25F1	Dry Creek	16	56,128
Cazadero Water Company	8N/11W-16M1	Austin Creek	18	76,95
	8N/11W-17N1	Austin Creek	18	76,95
	8N/11W-20H1	Austin Creek	18	76,95
Chalfant, George	15N/13W-15A1	Upper Russian	6	C-26,46
Chambers, Mildred	See Scott, Eleanor M.		-	
Chandler, H. S.	11N/10W-6R1	Middle Russian	13	C-23,53
Chenoweth Lumber Company	7N/10W-28D1	Lower Russian	21	70
	7N/10W-27L1	Lower Russian	21	70
	7N/10W-28F1	Lower Russian	21	70

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Christenson, Paul	7N/9W-13P1	Santa Rosa	21	65,91,130
Citizens Utilities Company	7N/10W-18C1	Lower Russian	21	69,93
	7N/10W-18Q1	Lower Russian	21	69,93
	7N/11W-12G1	Lower Russian	21	70,93
	7N/11W-12J1	Lower Russian	21	71,93
	7N/11W-12L1	Lower Russian	21	71,93
	7N/11W-12M1	Lower Russian	21	71,93
	7N/11W-12R1	Lower Russian	21	71,93
	7N/11W-12R2	Lower Russian	21	71,93
	8N/10W-8A1	Lower Russian	18	74,95
	8N/10W-16R1	Lower Russian	18	C-10,74,95
	8N/10W-31K1	Lower Russian	18	74,95
	8N/10W-31P1	Lower Russian	18	74,95
	8N/11W-36D1	Lower Russian	18	74,95
	8N/11W-36F1	Lower Russian	18	75,95
	8N/11W-36G1	Lower Russian	18	75,95
Clark, Truman H. and Lucile	10N/8W-31L1	Middle Russian	15	C-20,52,126
Clay, Wesley B.	11N/10W-34Q1	Middle Russian	13	C-21,54,127
Clegg, Douglas	9N/7W-17L1	Middle Russian	17	C-15,47,86,125
Clegg, Douglas; Radway, Margaret and J. A.	9N/7W-17C1	Middle Russian	17	47,86,125
Cleland, H. O.	17N/11W-32A2	Coyote Valley	3	C-26,40,83,121
	17N/11W-32H1	Coyote Valley	3	C-26,40,83,121
Cook, Lew W.	9N/8W-24A1	Middle Russian	17	C-21,50,87 126
Cook, Ransom	6N/7W-22P1	Laguna	24	65,91,131
Cowen, Samuel D.	14N/12W-10C2	Upper Russian	7	43,84,123
Cox, Everett	15N/12W-28L3	Upper Russian	6	C-10,45,85,124
Crandall, Robert L and Elaine	12N/11W-14P1	Upper Russian	10	C-22,41,83,121
Crawford, Clifford W.	14N/12W-36Q1	Upper Russian	7	C-13,44,85,123
Crawford, Ivan H.	14N/12W-25L1	Upper Russian	7	C-20,44,85,123
	14N/12W-36D1	Upper Russian	7	44,123
Crawford, Jessie	13N/12W-1B1	Upper Russian	8	C-15,42,84,122
Dana, William D.	10N/9W-23J1	Middle Russian	15	52,126
Daut, George	16N/11W-20M1	Coyote Valley	5	39,120
Dei, Jack	7N/9W-35B2	Laguna	21	C-13,67,92,131
	7N/9W-35H1	Laguna	21	67,92,131
Delcarlo, Mrs. A.	10N/10W-21C1	Dry Creek	14	57,89,128
Del Rio Woods Recreation District	9N/9W-23C1	Middle Russian	17	52
DeMarcentonio, A.	12N/11W-2E1	Upper Russian	10	41,83,[illegible]
Denner, Russell L.	7N/9W-10B1	Mark West	21	C-12,C-30,58,89, 129

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Diaz, Joe	17N/11W-32A1	Coyote Valley	3	40,83,121
Dick, Henry	9N/9W-1P1	Middle Russian	17	C-14,C-18,50,87,126
Dina Bob Lake	See Cook, Lew W.		-	
Dockins, Albert	16N/12W-5A2	Forsythe Creek	5	37,82,120
Dolcini, A. T.	4N/8W-25M1	Walker Creek	28	C-24,79,96,135
Dolcini, Dam	See Dolcini, A. T.		-	
Donquan, Dam	See Larkin, Mary Gubbins		-	
Douglas, Earl	10N/9W-18C3	Middle Russian	15	52,88,126
Drake, M. A.	10N/9W-28G1	Middle Russian	15	C-16,53
Drivell, John and Rita	15N/12W-9D1	Upper Russian	6	C-23,44,123
Du Bois, Althea L.	16N/11W-20L1	Coyote Valley	5	C-27,39,120
Duerson, Clere A.	6N/7W-23J1	Santa Rosa	24	62,90,130
Durable Fir and Lumber Co.	16N/12W-16P1 16N/12W-16P2	Upper Russian Upper Russian	5 5	C-27,39,120 46
Dutton, G. E.	14N/12W-14M1	Upper Russian	7	C-30,44,123
Dutton, Warren	7N/8W-22L1	Santa Rosa	22	64,91,130
East Side Canal Potter Valley I. D.	17N/11W-6E1	Coyote Valley	3	C-15,39,82,121
Eckart, Robert C.	9N/7W-20H1	Middle Russian	17	C-18,48,86,125
Elting, Arthur G. and Alice M.	16N/11W-21Q1	Coyote Valley	5	39,82,121
Emert, Arland F.	8N/9W-33K1 8N/9W-33M2	Lower Russian Lower Russian	19 19	73,94,134 74,95,134
Facklam, Delbert	17N/12W-29Q1	Forsythe Creek	3	37,120
Fairbairn, C. O., F. M., and C. R.	13N/11W-19N1	Upper Russian	9	C-15,41,83,122
Farris, C. S.	7N/9W-22L1	Laguna	21	66,92,131
Fenton, Adelma W.	8N/9W-16Q1 8N/9W-21B1	Lower Russian Lower Russian	19 19	C-13,72,133 C-13,72,94,133
Findley, Ranch & Land Company	7N/9W-26L1 7N/9W-22R1	Laguna Laguna	21 21	C-11,66,92,131 C-22,66,92,131
Fish, Tom	8N/9W-33M1	Lower Russian	19	C-21,C-25,73,94 134
Fitch Mountain Dam	See Del Rio Woods Recreation District		-	
Fitizgerald, Crellin	14N/12W-10F1	Upper Russian	7	C-24,43,85,123

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Folger, Arthur H. and Ruth L.	8N/9W-6B1	Dry Creek	19	C-12,54,88,127
Foote, Gilbert	9N/7W-7F1	Middle Russian	17	C-15,47,125
Foppiano Brothers	9N/9W-11D1	Middle Russian	17	C-51
	9N/9W-14C1	Middle Russian	17	C-16,C-25,51,87,126
Ford, E. A.	15N/12W-5J1	Upper Russian	6	C-10,44,123
Fountain Grove Dam	See Walter, R. H.		-	
Fouts, Emmy L.	8N/7W-5G1	Middle Russian	20	C-20,47
Frei, Louis A.	7N/9W-15J1	Laguna	21	66,92,131
Freund, George P. and Mildred	6N/10W-12F1	Bodega	23	C-12,C-26,77,134
Furusho, Tom and Joe and Winkler, L. W.	7N/9W-22B1	Laguna	21	66,92,131
Gardner, Helen J.	See Johnson, Flora T.		-	
Gardner, John N.	13N/11W-18P1	Upper Russian	9	41,83,122
Garfield, Sidney	8N/8W-1N1	Mark West	19	C-27,59
Garner, Bert	6N/9W-5M1	Lower Russian	23	C-11,67,92,132
	6N/9W-5N1	Lower Russian	23	C-11,67
Garret & Company, Inc.	15N/12W-16E3	Upper Russian	6	45
Garzoli, Charles	5N/9W-26E1	Bodega	26	77,96
Garzorli, B. O. Estate	4N/9W-10C1	Walker Creek	27	79,135
Gerhardt, A. & Fred (Azalea Dam)	7N/10W-23E1	Lower Russian	21	C-22,69,93,132
German, W. A.	15N/12W-24Q1	Upper Russian	6	45,124
Gianni, L. Bob	7N/10W-13N1	Lower Russian	21	69,132
	7N/10W-13P1	Lower Russian	21	69,132
Gilardoni, A.	8N/8W-30Q1	Mark West	19	C-14,60,90,129
	8N/8W-31C1	Mark West	19	C-14,60,90,129
Giordano, George	6N/10W-22L1	Bodega	23	78,96,135
	6N/10W-22N1	Bodega	23	78,96,135
Glazer, Albert	10N/10W-22L2	Dry Creek	14	57,128
Golden Rule Church Association	11N/10W-6C1	Middle Russian	13	C-11,53,88,127
Gonfiotti, A.	7N/10W-6H1	Lower Russian	21	69,132
Grace Brothers, Inc.	9N/9W-2F1	Middle Russian	17	C-20,50,126
	9N/9W-2F2	Middle Russian	17	50,87,126
Grace, J. T., Estate of	8N/9W-28C1	Lower Russian	19	C-19,72,133
Grace, L.	13N/11W-28E1	Upper Russian	9	42,84,122
	13N/11W-30H1	Upper Russian	9	42,84,122

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Greeott Dam	See Greeott, George		-	
Greeott, George	8N/8W-6R1	Mark West	19	C-18,C-29,60,90,129
Gummer, Swen G.	13N/11W-22G1	Upper Russian	9	C-24,42,84
Guntley, J. F. and Charles	16N/11W-5B1	Coyote Valley	5	C-11,38,82,120
	16N/11W-18J1	Coyote Valley	5	C-25,38,82,120
Hacienda Water Company	8N/10W-26A1	Lower Russian	18	C-11,74
	8N/10W-26J1	Lower Russian	18	C-11,74
Haehl, Walter L.	12N/11W-25E2	Middle Russian	10	C-23,54,88,127
Hale, P. C.	11N/10W-3H1	Sulpher Creek	13	47
Hallberg, Robert J.	7N/9W-8D1	Lower Russian	21	68,132
Hallinan, C. W.	12N/9W-20E1	Upper Russian	11	40,121
Harmon, E. G.	15N/12W-5R1	Upper Russian	6	C-19,44,85,123
Harrison, Gregory A.	17N/12W-24R1	Coyote Valley	3	C-22,C-23,40,83,121
Hartsook, Grace, Fred and Robert	10N/10W-22L1	Dry Creek	14	C-17,57,89,128
Harvey Taylor Gravel Co.	9N/9W-29C1	Dry Creek	17	55
Hawn, J. W.	13N/11W-6Q1	Upper Russian	9	C-10,41,83,121
	13N/12W-1H2	Upper Russian	8	C-10,42,84,122
Heagerty, Francis J.	8N/9W-21F1	Lower Russian	19	C-15,72,133
Healdsburg Recreation Dam	See Sonoma County Flood Control and Conservation District		-	
Heck, Adolph and Paul	8N/10W-21Q1	Lower Russian	18	74
Hellman, F. J.	13N/12W-15K1	Upper Russian	8	C-15,43,84,122
Helwig, Albert	7N/9W-28M1	Lower Russian	21	C-11,68,93,132
Henderlong, Ben	10N/10W-18G1	Dry Creek	14	57,128
Henderson, David J. and Keiffer, Chris	13N/11W-19G1	Upper Russian	9	C-25,41,83,122
Hess, Kenneth	9N/9W-7N1	Dry Creek	17	55,88,127
Hickman, R. M.	9N/8W-3N1	Middle Russian	17	C-22,48,86
Hillcone Steamship Company	7N/7W-28H1	Santa Rosa	22	C-24,64
Hollowtree Lumber Company	See Bricarelli, F.		-	
Hopkins, Katherine	8N/9W-21H1	Lower Russian	19	C-13,72,133
Hotel Springs	See Cazadero Water Company		-	
Howard, Harlan	See Rochioli, Joe		-	
Howe,Therman	9N/10W-1M1	Dry Creek	16	C-25,56,88,128

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Hughes, Otto	17N/11W-6E3	Coyote Valley	3	12,C-14,39,82
	17N/11W-6E4	Coyote Valley	3	39,82,121
Ingram, Thelma	13N/11W-29P1	Upper Russian	9	42,122
Italian Swiss Colony Wines	10N/10W-4B1	Middle Russian	14	C-22,53,88,127
	11N/10W-28L1	Middle Russian	13	53,127
Iverson, Arthur C.	6N/8W-31E1	Bodega	24	C-15,77,96,134
Jackson, Hoover	9N/7W-18B1	Middle Russian	17	86,125
	9N/8W-13C1	Middle Russian	17	48,125
Jelton, Vad	9N/9W-31C1	Dry Creek	17	C-11,55,88,127
Jenson, Jack	See Williams, John		-	
John I. Haas, Inc.	13N/11W-7F1	Upper Russian	9	41,83,121
	13N/11W-18A1	Upper Russian	9	41,83,121
	13N/11W-19H1	Upper Russian	9	41,83,122
	13N/11W-19A2	Upper Russian	9	41,83,122
John Preston Ranch Co.	8N/9W-3P1	Lower Russian	19	C-13,C-14,C-18,C-22 72,94,133
	8N/9W-9H1	Lower Russian	19	C-14,C-22,72,94,133
Johnson, Albert B.	9N/9W-6D1	Dry Creek	17	C-25,54,88,127
Johnson, C. W.	13N/12W-24P1	Upper Russian	8	43,84,122
Johnson, Flora T. and Gardner, Helen J.	10N/9W-23L1	Middle Russian	15	52,126
Johnson, Louis F.	14N/12W-10L1	Upper Russian	7	C-10,43,85,123
Johnson, Wallace	9N/8W-7N1	Middle Russian	17	C-15,48,86,125
	9N/8W-18C1	Middle Russian	17	C-15,49,87,125
Johnson, William	17N/12W-32R1	Forsythe Creek	3	C-10,38,120
Keeney, William H.	17N/11W-20C1	Coyote Creek	3	39,83,121
Keiffer, Chris	See Henderson, David J.		-	
Kennedy, Phillip A.	11N/11W-36J1	Middle Russian	12	C-12,54,127
Ketelsen, Chris	7N/9W-13P2	Santa Rosa	21	65,91,130
Kettlewell, Allen W.	9N/7W-31G1	Middle Russian	17	C-10,48,125
Kircher, Robert C.	14N/12W-10P1	Upper Russian	7	C-26,43,85,123
Korbel, F.	8N/10W-28R1	Lower Russian	18	74,134
Kunzler, Neva L.	15N/12W-9E1	Upper Russian	6	C-22,44,85,123
LaFranchi Brothers	9N/8W-3F1	Middle Russian	17	C-12,48,125
	9N/8W-3L1	Middle Russian	17	C-19,48,86,125
LaFranchi, Milton	7N/11W-11F1	Lower Russian	21	C-11,70,132
Lagomarsino, Annabel L.	6N/9W-12A1	Laguna	23	C-12,65,91,131
	7N/7W-5K1	Santa Rosa	27	C-12,C-20,62,90,130
Lake Ralphine	See Santa Rosa, City of			

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Lamalfa, Joseph A.	14N/12W-4E1	Upper Russian	7	43,84,122
Land, L. K.	7N/9W-16A1	Mark West	21	C-15,58,129
	7N/9W-16A2	Mark West	21	C-15,58,129
Laqunita Dam	See Wilson, William G.			
Larkin, Mary Gubbins	8N/8W-5K1	Mark West	19	C-20,59,90,129
Laukari, Albert	15N/12W-4E1	Upper Russian	6	44,123
Lawrence, Floyd C.	16N/12W-33K2	Upper Russian	5	46,86,124
Leask, Gordon	16N/11W-3C1	Coyote Valley	5	C-26,38,82
LeBaron, Jim	8N/9W-3E1	Lower Russian	19	72,93,133
LeBaron, Paul	9N/10W-20l	Dry Creek	16	C-17,56,89,128
LeBrett, Albert	8N/9W-2G1	Lower Russian	19	C-20,71,93,133
Ledford, R. E.	14N/12W-3N1	Upper Russian	7	C-18,43,122
Lencioni, Fred M.	9N/9W-6P1	Dry Creek	17	C-21,55
Lindberg, N. O.	7N/9W-30A1	Lower Russian	21	C-12,68,93,132
Lissauer and Myer	9N/10W-12C1	Dry Creek	16	56,89,128
Listo Pencil Company	8N/9W-20Q1	Lower Russian	19	C-11,94,133
Litton, C. S.	8N/9W-21L1	Lower Russian	19	C-13,72,94,133
Loomis, Jack	8N/9W-32J2	Lower Russian	19	73,94,133
Lopizich, George	6N/9W-5L1	Lower Russian	23	C-11,67,92,132
Lowe, John Reed	14N/12W-25F1	Upper Russian	7	C-18,44,85,123
Lowe, Peter	9N/8W-8H1	Middle Russian	17	C-19,48,86,125
	9N/8W-16L1	Middle Russian	17	C-19,49,86,125
Lukari, Albert	15N/12W-4E1	Upper Russian	6	44,123
Lucchesi, J. P.	15N/12W-27B1	Upper Russian	6	45,124
Luers, Elinor and Gus	7N/9W-14M1	Santa Rosa	21	65,91,130
Lytton, Dam	See Salvation Army			
Maffia, Mary	6N/10W-16R1	Bodega	23	78,96,135
Magruder, Robert W.	16N/11W-5G1	Coyote Valley	5	C-25,38,82,120
	16N/11W-5B2	Coyote Valley	5	C-25,38,82,120
	17N/11W-32K1	Coyote Valley	3	C-25,40,83,121
	17N/11W-32Q1	Coyote Valley	3	C-25,40,121
Mallacomes, Dam	See Foote, Gilbert			
Mann, Guy L, Jr.	6N/10W-13K1	Bodega	23	C-13,78,96,135
Marin French Cheese Co., Inc.	3N/8W-2D1	Walker Creek	29	79
Marine Cooks & Steward Union	8N/7W-7R1	Mark West	20	58
Martinoni, Alfred	5N/9W-15E1	Bodega	26	77

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Massini, Joseph	7N/7W-8B1	Santa Rosa	22	63,91,130
Matteri, Roland	5N/9W-3C1	Bodega	26	C-26,76,95,134
McCutchan, Jesse F.	12N/11W-25E1	Middle Russian	10	C-22,54,88,127
McLaughlin, Dorsey H.	11N/11W-20D1	Dry Creek	12	57,128
	11N/11W-30A1	Dry Creek	12	58,128
	11N/11W-21R1	Dry Creek	12	57,128
McNab Dam	See Scott, Elinore, et al.		-	
McPherson, Lorraine	12N/11W-22R1	Dry Creek	-	C-17
Mecum, Cecil and Fred	7N/11W-18B1	Lower Russian	21	71,93
	7N/11W-18G1	Lower Russian	21	71,93
Mendocino Middle Dam Mendocino Upper Dam	See Mendocino State Hospital		-	
Mendocino State Hospital	15N/12W-25F1	Upper Russian	6	45,85,124
	15N/12W-25R1	Upper Russian	6	45,85,124
	15N/12W-28L1	Upper Russian	6	C-14,45,85
Meredith, L. M.	8N/9W-31B1	Lower Russian	19	73,94,133
	8N/9W-31H1	Lower Russian	19	C-13,73,94,133
Milone, Venezio	13N/11W-30J1	Upper Russian	9	C-15,42,84,122
Mohn, Don E., et al.	9N/8W-7D1	Middle Russian	17	C-14,48,86,125
Moulton, A. F.	See A. F. Moulton Company		-	
Mounts, Jack	9N/10W-2C1	Dry Creek	16	C-24,56,89,128
Muchow, A. A.	See Williams, John		-	
Myer	See Lissauer		-	
Nahmens, George	6N/9W-24E1	Laguna	23	66,92,131
Nawman, R.B.	8N/7W-27H1	Mark West	20	C-21,59,89,129
	8N/7W-27H2	Mark West	20	C-21,59,89,129
Neat, Lyall T.	11N/10W-5M2	Middle Russian	13	C-22,53,88,127
Nelson, Carl F.	9N/10W-2G2	Dry Creek	16	C-25,56,89,128
	9N/10W-2H2	Dry Creek	16	C-25,56,89,128
Nelson, Herman W.	14N/12W-23H1	Upper Russian	7	C-25,44,123
	14N/12W-26E1	Upper Russian	7	C-18,44,123
Nelson, Louise K.	7N/9W-35B3	Laguna	21	C-14,67,92,131
Noble, James J.	9N/8W-21N1	Middle Russian	17	C-19,50
Norgard, Sterling	15N/12W-33L1	Upper Russian	6	C-12,C-18,C-21,46,85,124
	15N/12W-28A1	Upper Russian	6	C-21,85,124
Norton, Dam No. 2	See Norton, Lewis M.		-	
Norton, Edward	9N/9W-6L1	Dry Creek	17	C-28,55
Norton, Lewis M.	9N/9W-7B1	Dry Creek	17	C-25,55,127

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INDEX TO SURFACE WATER DIVERSIONS IN RUSSIAN RIVER HYDROGRAPHIC UNIT

Diversion name or owner	Location number	Subunit	References	
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Nutter, Walter	10N/11W-12P1	Dry Creek	14	,89,128
Oakleaf, D. C.	10N/10W-9E1	Dry Creek	14	57,89,128
Occidental Water Works	7N/10W-34K1	Lower Russian	21	79,93
	7N/10W-34L1	Bodega	21	78,96
	7N/10W-34L2	Bodega	21	78,96
Oden, Emil	6N/10W-2L1	Bodega	23	77,96,134
O'Neil, W. L.	16N/11W-18F1	Coyote Valley	5	38,82.120
Ornbaun, Marshall W.	6N/9W-7A1	Lower Russian	23	67,92,132
Orr, George F.	6N/7W-21H1	Laguna	24	C-26,C-31,65,91,131
Palladini, Primo	6N/9W-4E1	Lower Russian	23	67,132
Passalacqua, Emil E.	9N/9W-15D1	Middle Russian	17	C-20,51,126
	9N/9W-15H1	Middle Russian	17	C-20,51,126
Pellascio, Donald	5N/10W-4P1	Bodega	25	77,96
Pelm, Peter	8N/7W-18E1	Mark West	20	C-11,59,129
Peregrina, Madeo	17N/11W-29Q1	Coyote Valley	3	40
Petersen Farms	7N/8W-17N1	Santa Rosa	22	C-22,64,91,130
Petersen, James	9N/8W-18G1	Middle Russian	17	C-13,C-19,49,87,125
Peterson, Carl E.	16N/12W-8L1	Forsythe Creek	5	C-23,37,82,120
Peterson Farms	8N/9W-32J1	Lower Russian	19	C-13,73,94,133
	8N/9W-33L1	Lower Russian	19	C-13,73,94,134
Peterson, Robert N. and Juliet S.	16N/12W-28F1	Upper Russian	5	C-10,46,124
Peterson, W. S.	See Caselli, Romillo J.		-	
Phillips, Mrs. George	17N/11W-17E1	Coyote Valley	3	39,83,121
Ploch, Leslie McDonald	10N/9W-18C1	Middle Russian	15	C-11,52,86,126
Ponzio, Frank	13N/11W-20Q1	Upper Russian	9	C-24,41,84,122
	13N/11W-20P1	Upper Russian	9	C-24,41,83,122
Potter Valley Irrigation District	See East Side Canal and West Side Canal		-	
Powell, Oscar M .	6N/7W-4B1	Santa Rosa	24	C-17,62
Prather, C. C.	12N/12W-8Q1	Dry Creek	10	58,128
Pratti, Edward	10N/10W-11G1	Middle Russian	14	C-30,53,88,127
Preston, John	See John Preston Ranch Company		-	
Priest, Lavone C.	8N/7W-20E1	Mark West	20	C-17,59,89,129
Pugh, Britt	16N/11W-20D1	Coyote Valley	5	38,120

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Diversion name or owner	Location number	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Radway, Jack	9N/8W-11K1	Middle Russian	17	48,125
Radway, Margaret and J. A.	See Clegg, Douglas		-	
Rafanelli, Americo	9N/10W-2H1	Dry Creek	16	C-24,56,89,128
Rasmussen, Arnold V.	9N/8W-19J2	Middle Russian	17	C-16,49,87,125
Rasmussen, Harry	7N/8W-18H1	Santa Rosa	22	C-21,64,91
Res J. Newell	See Stickney, Ruel		-	
Redwood Hereford Ranch	See Johnson, Wallace		-	
Reiter, William L. and Mary L	17N/11W-17M1	Coyote Valley	3	C-24, 39,121
Remmel, Harland B.	10N/9W-18C2	Middle Russian	15	C-15,52,87,126
Richardson, Warren	8N/9W-16H2	Lower Russian	19	C-13,C-24,72,94,133
Rickman, C. H.	9N/9W-30M1	Dry Creek	17	C-10,55,88,127
Ridgewood Dam	See Selch, Jo, Nina, E.C. and Eunice		-	
Rio Linda Academy.	9N/9W-14D1	Middle Russian	17	C-14,C-28,51,87,126
	9N/9W-15G1	Middle Russian	17	C-14,51,87,126
Robertson and E.W. Bradford	10N/9W-3N1	Middle Russian	15	52
Rochioli, Joe	8N/9W-32L1	Lower Russian	19	C-13,73,94,133
Rochioli, Joe and Howard Harlan	17N/12W-32A1	Forsythe Creek	3	C-10,37,82,120
Roman, Peter	10N/10W/15H1	Dry Creek	14	C-23,56,89
Rorabaugh, Alex	13N/11W-29Q1	Upper Russian	9	C-26,42,84,122
Rosetti, Bros.	13N/11W-30A1	Upper Russian	9	42,84,122
Rosetti, John	13N/11W-19A1	Upper Russian	9	C-15,41,122
Ruddick, Elmer C.,Estate of	14N/12W-25J1	Upper Russian	7	C-22,44,123,85
Rued, Paul and Eleanor	7N/9W-30G1	Lower Russian	21	69,132
Rued, Paul and Walter	9N/9W-12B1	Middle Russian	17	C-14,51,87,126
Russell, Alex S.	8N/9W-16A1	Lower Russian	19	C-19,72,94,133
Russian River Aqueduct No. 1	See Sonoma County Flood Control and Conservation District		-	
Russian River Recreation District No. 1	7N/10W-6F1	Lower Russian	21	C-22,69
	8N/10W-32D1	Lower Russian	21	C-22,74,133
Salinger Dam	See Salinger, J. M.		-	
Salinger, J. M.	8N/8W-34K1	Mark West	19	C-19,C-27,90,129
Salvation Army	9N/9W-5D1	Middle Russian	17	51,87
	9N/9W-5J1	Middle Russian	17	C-24,51,87,126
Salz, Joseph W.	9N/9W-6D2	Dry Creek	19	C-25,55,88,127
Sanns, Harold	8N/10W-4G1	Dry Creek	18	54,88,127

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Diversion name or owner	Location number	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Santa Rosa, City of	7N/7W-16B1	Santa Rosa	22	63,91
	7N/7W-18H1	Santa Rosa	22	63
Scheidecker, L. C.	7N/9W-20D1	Lower Russian	21	68,93,132
Schmidt, Harold	9N/9W-31J1	Dry Creek	17	56,88,128
Schrader, G. K.	14N/12W-4J1	Upper Russian	7	43,84,123
Scott, Eleanor and Mildred Chambers	14N/12W-28M1	Upper Russian	7	C-12,44,123
Scott, Minnie G. and Williams, James and Chaplin	15N/12W-28G1	Upper Russian	6	C-15,45,85,124
Scott, Russell	15N/12W-28L2	Upper Russian	6	C-22,45,85,124
	15N/12W-28F1	Upper Russian	6	C-22,45,85,124
Sequoia Dam	See Freund, George P.		-	
Sheridan, Mary	7N/11W-11H1	Lower Russian	21	70,132
	7N/11W-12C1	Lower Russian	21	C-24,70,132
Sibbett, Edward H.	16N/12W-9M1	Forsythe Creek	5	C-10,37
	16N/12W-9N1	Forsythe Creek	5	C-10,37
	16N/12W-9N2	Forsythe Creek	5	C-10,37
Siemer, E.	5N/8W-32B1	Bodega	26	76,95
Silver Shoon Dam	See Smith, Paul X., Estate of		-	
Simpson, Mrs. D. C.	7N/9W-30Q1	Lower Russian	21	69,93,132
Siri, A. B.	9N/8W-21B1	Middle Russian	17	50,126
	9N/8W-21K1	Middle Russian	17	50,87,126
Siri, Arthur B.	See Arthur B. Siri Inc.		-	
Sloat, A, W.	8N/7W-29B1	Mark West	20	C-18,59,89,129
Slusser, Eugene	8N/9W-35Q1	Mark West	19	61,90,129
	8N/9W-35Q2	Mark West	19	61,129
	8N/9W-35G1	Mark West	19	61,129
Smith, Barbara	10N/7W-20K1	Middle Russian	15	C-15,52,87
Smith, E. H. and Laura	7N/9W-23N1	Laguna	21	66,131
Smith, Jay Lee, Estate of; Smith, Jean J.; and Smitn Jay Lee, Jr.	16N/12W-7C1	Forsythe Creek	5	C-23,37,82,120
Smith, Kenton	7N/7W-14Q1	Santa Rosa	22	C-19,63,91,130
Smith, Marie	5N/9W-10B1	Bodega	62	77,95,134
Smith, Paul X., Estate of	7N/7W-24C1	Santa Rosa	22	C-24,63,91,130
	7N/7W-24D1	Santa Rosa	22	C-23,63,91,130
	7N/7W-23A1	Santa Rosa	22	C-28,63,91,130
Smith, Ralph J.	7N/9W-7K2	Lower Russian	21	C-11,68,132
Smith, Richard C.	8N/7W-16D1	Mark West	20	58

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Diversion name or owner	Location number	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Sonoma County Flood Control and Water Conservation District	8N/9W-29F1	Lower Russian	19	C-21,C-29,73,94,133
	9N/9W-28B1	Lower Russian	19	C-19
Sonoma Ranch Company	8N/9W-16H1	Lower Russian	19	C-19,72,94,133
	8N/9W-32L2	Lower Russian	19	C-14,73,94,134
Souza, William E. and Evelyn	5N/9W-22M1	Bodega	26	C-24,77,95,134
	5N/9W-22P1	Bodega	26	C-24,77,96,134
Spurgeon, C. O.	9N/8W-28A1	Middle Russian	17	C-28,50,126
St. Anthony Farms, Inc.	5N/9W-3M1	Bedega	26	76,95,134
Stashak, Theodore S.	7N/7W-9H1	Santa Rosa	22	C-15,63
Stibbi, Jan	7N/10W-5P1	Lower Russian	21	69,93
Stickney, Ruel; Rea, J. Newell; and Bolden, Ruth	15N/12W-16E1	Upper Russian	6	C-13,45,123
Stipp, J. N.	14N/12W-5K1	Upper Russian	7	43,84,123
	14N/12W-5P1	Upper Russian	7	43,84,123
Stipp, Martin P.	14N/12W-4B1	Upper Russian	7	C-10,43,84,122
Strickland, Russell B.	17N/12W-32A2	Forsythe Creek	3	C-10,37,82,120
Suacci, Eugene	8N/8W-27Q1	Mark West	19	60,129
Sweezey, H. H.	16N/12W-5A1	Forsythe Creek	5	C-11,37,82,120
	16N/12W-5A3	Forsythe Creek	5	37,82,120
Thomas, Agens C.	15N/12W-16D2	Upper Russian	6	C-10,C-12,45,85,123
Thomas, Anna	14N/12W-10C1	Upper Russian	7	C-18,43,84,123
Thomas, A. R.	15N/12W-33Q1	Upper Russian	6	C-10,46,86,124
Thompson Brothers	See Marin French Cheese Co., Inc.		-	
Thompson, David G.	16N/12W-33K1	Upper Russian	5	46,86,124
	16N/12W-33Q1	Upper Russian	5	46,124
Thompson, E. D.	8N/9W-16A2	Lower Russian	19	C-13,72,94,133
Thompson, J. Paul	9N/9W-13N1	Middle Russian	17	C-14,51,126
Timber Crest Farms Ronald Waltenspeil	10N/10W-35N1	Dry Creek	14	57,89,128
Tomasini, Estate of	4N/9W-11G1	Walker Creek	27	79,96
Towibalyla Dam	See Clegg, Douglas		-	
Townsend, E. S.	7N/9W-7K1	Lower Russian	21	C-12,67,132
	7N/9W-18A1	Lower Russian	21	68,92,132
	7N/9W-18A2	Lower Russian	21	68,92,132
Trappe, Adolph	6N/10W-12J1	Bodega	23	C-11,77,134
	6N/10W-12J2	Bodega	23	C-11,78,96,134
Tucker, K. R.	6N/9W-5K2	Lower Russian	23	67,92,132
Tyler, L. L. and Lena	11N/10W-5M1	Middle Russian	13	C-23,53,88,127

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Diversion name or owner	Location number	Subunit	References	
			Plate 2 Sheet No.	Text and appendixes Page No.
Vidale, Robert P.	6N/10W-12P1	Bodega	23	C-12,78,96,134
Volkerts, W.	5N/8W-8K1	Bodega	26	76,95
Wagner, L.	14N/12W-9A1	Upper Russian	7	C-23,C-25,43,85,123
Walker, Gilbert	6N/7W-2M1	Santa Rosa	24	62,90,130
	6N/7W-3J1	Santa Rosa	24	C-13,62,90,130
Walker Lake	See Welch: J. D., Nine, E. C., and Eunice.			
Waltenspiel, Ronald	See Timber Crest Farms		-	
Walter, R. H.	7N/8W-2F1	Santa Rosa	22	C-20,64,91,130
Wards Investment Co.	7N/8W-20C1	Santa Rosa	22	64,91,130
Wathen, John	16N/11W-18G1	Coyote Valley	5	38,120
Watson, Stanley W.	15N/12W-16L1	Upper Russian	6	C-19,85
Welch, J. D., Nina, E. C. and Eunice	17N/13W-15N1	Forsythe Creek	2	38
	17N/13W-15P1	Forsythe Creek	2	38
	17N/13W-18R1	Forsythe Creek	2	38
Welch, Percy	9N/8W-19A1	Middle Russian	17	C-18,49,87,125
Welling, Charles	6N/11W-14R1	Bodega	23	78,96,135
Wendel Dairy	7N/8W-18N1	Santa Rosa	22	C-14,64,91,130
West Side Canal Potter Valley I. D.	17N/11W-6E2	Coyote Valley	3	C-15,39,82,121
White, Harriet O.	15N/12W-16D1	Upper Russian	6	C-20,44,85,123
Whitlatch, Frank and Carsin	7N/9W-22A1	Laguna	21	66,131
Wilen, Mary E.	11N/11W-33D1	Dry Creek	12	C-22,58,89,128
Williams, James and Chaplin	See Scott, Minnie G.		-	
Williams, John; Jenson, Jack, and Muchow, A. A.	8N/9W-34F1	Mark West	19	61,90,129
Willig, E. J.	7N/11W-17G1	Lower Russian	21	71,93,133
	7N/11W-17P1	Lower Russian	21	71,133
Willow County Water District	15N/12W-33E1	Upper Russian	6	C-21,C-25,46
Wilson, Samuel L. and Noreen	12N/12W-15G1	Dry Creek	10	58,128
Wilson, William G.	8N/9W-1H1	Mark West	19	C-21,60,90,129
Winkler, Don L.	7N/9W-17A1	Lower Russian	21	68,132
	7N/9W-16E1	Lower Russian	21	68,92,132
Winkler, L. W.	See Furusho, Tom and Joe		-	
Winkler, W. S.	7N/9W-20A1	Lower Russian	21	68,92,132
Witbro, Ernest H.	9N/9W-7M1	Dry Creek	17	55,88,127
Witbro, Henry C.	10N/10W-35M1	Dry Creek	14	C-16,57,89,128

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Diversion name or owner	Location number	Subunit	References	
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Witt, Martin J.	5N/8W-16Q1	Bodega	26	C-26,76,95,134
	5N/8W-16R1	Bodega	26	C-26,76,95,134
Wright, Clarence	9N/8W-33M1	Middle Russian	17	C-16,50,87,126
York, Loren and Mark	16N/12W-29E1	Upper Russian	5	46,86,124
	16N/12W-32C1	Upper Russian	5	46,86,124
Young, Paul B.	9N/8W-17G1	Middle Russian	17	C-19,49,87,125
Young, Robert	10N/9W-23P1	Middle Russian	15	53,88,126
	10N/9W-25E1	Middle Russian	15	53,88,126
Zanoline, Fred	9N/8W-19J1	Middle Russian	17	49,87,125

Imports and Exports

The only significant surface water supply imported to the Russian River Hydrographic Unit is Eel River water brought in through the Potter Valley powerhouse by way of a transmountain tunnel from Van Arsdale Dam on the Eel River and released into the East Fork of the Russian River. The system was put into operation in 1908 by the Snow Mountain Water and Power Company and acquired by the Pacific Gas and Electric Company in 1922. On the average, 197 cubic feet per second is released from the powerhouse. The primary use of the imported water is for power generation purposes; however, the Potter Valley Irrigation District contracts with the Pacific Gas and Electric Company for up to 50 cubic feet per second, which is used for irrigation.

There was one export of water from the Russian River Hydrographic Unit at the time of the survey. This diversion, located some nine miles southeast of Santa Rosa on Copeland Creek, is owned by the California Water Service of Petaluma. The original diversion was initiated by the Petaluma Power and Water Company in 1907. The California Water Service Company began operating the diversion in 1943. Water is taken from the creek by gravity flow through an 8-inch pipeline to the Petaluma Reservoir. The amount that is diverted is not known, but a water right exists for direct diversion of 1.0 cubic foot per second. It is estimated that this diversion serves about 10 percent of the community or 500 connections.

The Russian River Project which was approved in 1955 as a coordinated operation by the U. S. Corps of Engineers and the Sonoma County Flood Control and Water Conservation District involved the construction of Coyote Dam, flood control features on the river, and a pumping plant located at the Wohler Bridge. The pumping plant presently supplies municipal water to the City of Santa Rosa and a few small water users via the Santa Rosa Aqueduct; however, plans for the construction of additional aqueducts are in progress. From Santa Rosa, the proposed aqueduct will continue south and deliver water to Petaluma and Novato, which are outside the hydrographic unit. An extension to cross the hydrographic boundary eastward and deliver water to Sonoma Valley has been constructed. It is estimated that by 1980, some 20,000 acre-feet will be exported annually through this entire system.

Consumptive Use

In the Russian River Hydrographic Unit, the largest quantity of water diverted directly or indirectly from the Russian River and its tributaries and several streams tributary to the Pacific Ocean was for irrigated agriculture. The largest consumptive use of water was also for irrigated agriculture. Consumptive use is defined as water consumed by vegetative growth in transpiration and building of plant tissue and by water evaporated from adjacent soil, from water surface and from foliage. It also includes water similarly consumed and evaporated by urban and nonvegetative types of land use.

A substantial portion, but not all of the surface water diverted in the unit was measured or estimated during the

investigation. About 30,250 acre-feet of water were diverted from surface streams for irrigation, stockwater and incidental domestic uses.

The amounts of water taken from canals, stream underflow, wells and springs and the amounts of return flow of applied water were not measured as a part of this investigation. Analysis of data on surface water diversions and lands irrigated by streams indicates the unit application of water in 1959 varied between 0.5 to 1.5 feet per acre in most of the subunit. These values cannot be considered as reliable due to the foregoing data limitations.

The average seasonal consumptive use of applied water by irrigated lands (1959) is estimated to be 58,500 acre-feet. This estimate is based on information obtained from farm advisors and studies made by the department, including unit values published in Department of Water Resources Bulletin No. 2, "Water Utilization and Requirements of California," June 1955. Computation of the estimated amount is shown in Table 9.

TABLE 9
AVERAGE CONSUMPTIVE USE OF APPLIED WATER,
RUSSIAN RIVER HYDROGRAPHIC UNIT,
1959 LAND USE

Crop	1959 Acreage	Consumptive use of applied water acre-feet/acre*	acre-feet
Grain and Hay	656	0.3	211
Field Crops	1,653	1.1	1,784
Pasture	16,746	2.2	36,103
Truck Crops	797	1.0	804
Deciduous Fruit	13,371	1.4	18,185
Vineyards	1,644	0.5	790
Semiagriculture	226	2.1	475
Subtotal	35,097		58,353
Fallow	385		
Idle	1,337		
Total Irrigated Lands	36,819		

*Weighted to reflect aerial extent of crop within hydrographic unit.

CHAPTER III - LAND USE

The results of a survey of present land uses as related to water use are reported in this chapter. A thorough knowledge of the nature and extent of land uses under past and existing conditions within this hydrographic unit is one of the primary requisites in evaluating future water requirements within the unit.

Present Land Use

A detailed survey of land uses in the Russian River Hydrographic Unit was conducted in 1959. The survey was used to determine the type, location, and areal extent of presently irrigated and dry farmed lands, recreational developments, and urban areas. The results of the land use survey are presented in Table 10. The values represent gross acreages, including non-water service areas such as roads, ditches, building and storage areas, and miscellaneous rights-of-way, which occur within the mapped areas.

Methods and Procedures

The surveys were conducted so that all field mapping was done on aerial photographs having a scale of 1:20,000. The field mapping was done as accurately as possible within the limit imposed by the scale of the photographs and by the access to the

Irrigation by sprinklers, north of Hopland

Vineyard near Asti

TABLE 10

LAND USE IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Subunit and County	Irrigated lands	Naturally high water table lands		Dry-farmed lands	Urban lands	Recreational lands
		Meadowlands	Marsh-lands			
Forsythe Creek						
Mendocino County	263	0	0	2,980	701	0
Coyote Valley						
Lake County	0	0	0	0	0	0
Mendocino County	5,039	0	0	557	79	10
Upper Russian River						
Lake County	0	0	0	0	0	0
Mendocino County	6,276	19	16	5,676	3,618	35
Sulphur Creek						
Lake County	0	0	0	0	0	0
Mendocino County	0	0	0	0	0	0
Sonoma County	42	0	2	6	8	6
Middle Russian River						
Mendocino County	34	1	0	158	0	0
Sonoma County	7,961	49	0	7,143	1,692	75
Dry Creek						
Mendocino County	7	0	0	53	12	0
Sonoma County	2,593	6	0	4,476	1,455	40
Mark West						
Sonoma County	3,707	49	0	8,216	1,857	172
Santa Rosa						
Sonoma County	2,697	88	7	4,399	8,837	0
Laguna						
Sonoma County	3,228	356	0	14,331	9,440	0
Lower Russian River						
Sonoma County	4,469	149	14	12,850	2,169	2,283
Austin Creek						
Sonoma County	0	0	0	32	98	559
Bodega						
Marin County	42	0	399	1,358	0	27
Sonoma County	418	12	521	4,904	400	54
Walker Creek						
Marin County	43	14	197	741	102	7
Sonoma County	0	0	0	492	0	0
TOTALS:						
Lake County	0	0	0	0	0	0
Marin County	85	14	596	2,099	102	34
Mendocino County	11,619	20	16	9,424	4,410	45
Sonoma County	25,115	709	544	56,849	25,956	3,189
Hydrographic Unit	36,819	743	1,156	68,372	30,468	3,268

land as provided by roads and foot trails. No land parcels less than two acres in size were delineated since the probable yearly water use would be somewhat below the 10 acre-foot per annum minimum water use established for this survey. An example of an aerial photograph with land use delineated on it is shown on Illustration 7.

After completion of the field mapping on aerial photographs, the mapping delineations were transferred to U. S. Geological Survey 7.5 minute quadrangle sheets having a scale of 1:24,000. This procedure was necessary in order to provide base maps of a reasonable size and constant scale. Acreage determinations were made from the quadrangle sheets using "cutting and weighing" procedures.

Irrigated Lands

Irrigated lands include all agricultural land to which water is applied. Acreages of irrigated lands are reported in Table 11 by subunits, including the crop grown. These irrigated lands are segregated into field crops, pasture, truck and berry crops, deciduous fruits and nuts, vineyards, idle irrigated lands, and irrigated lands incidental to agriculture. A small area of grain land was also shown as irrigated on the survey summary. Mixed pasture consisting of perenial grasses and legumes was the major irrigated type although a number of other types were listed. The largest acreage in the category of deciduous fruits and nuts was found to be prunes, followed by pears. Smaller acreages of most others except apricots and figs were found. The idle

Example of land use delineated on aerial photograph

TABLE II

IRRIGATED LANDS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
						FORSYTHE CREEK SUBUNIT								
16N 12W-5A1	H. H. Sweezey							5		36		41		41
16N 12W-5A2	Albert Dockins									8		8		8
16N 12W-5A3	H. H. Sweezey							7				7		7
16N 12W-7C1	Estate of Jay Lee Smith, Jay Lee Smith, Jr., Jean J. Smith	4						8				12		12
16N 12W-8L1	Carl E. Peterson							11				11		11
16N 12W-8R1	Roy Adreveno		3									3		3
16N 12W-9M1	Edward H. Sibbett												71	71
16N/12W-9N1													11	11
17N/12W-29Q1	Delbert Facklam												3	3
17N/12W-32A1	Joe Rochioli and Harlan Howard							17				17		17
17N/12W-32A2	Russell B. Stricklan		11									11		11
17N/12W-32G2	H. Bohnstedt												16	16
17N/12W-32R1	William Johnson							25				25		25
Total Mendo	cino County	4	14	0	0	0	0	73	0	44	0	135	101	236
Total Forsy	the Creek Subunit	4	14	0	0	0	0	73	0	44	0	135	101	236
						COYOTE VALLEY SUBUNIT								
16N/11W-5B1	J. F. and Charles H. Ountley		79									79		79
16N/11W-5B2	Robert W. Magruder		22									22		22
16N/11W-5G1			13									13		13
16N/11W-18F1	W. L. O'Neil	6										6		6
16N/11W-18G1	John Wathen									12		12		12
16N/11W-18J1	J. F. and Charles H. Ountley		19									19		19
16N/11W-20D1	Britt Pugh		4									4		4
16N/11W-20L1	Althea L. DuBois			2								2		2
16N/11W-20M1	George Daut							21				21		21

TABLE 11 (Continued)
IRRIGATED LANDS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					COYOTE VALLEY SUBUNIT (Continued)									
16N/11W-21Q1	Arthur G. and Alice M. Elting						5					5		5
17N/11W-6E1	Potter Valley Irrigation District (Eastside Canal)	26	1,604	30			9	109		68		1,846		1,846
17N/11W-6E2	Potter Valley Irrigation District (Westside Canal)	29	1,703	159		17	20	323		123		2,374	90*	2,464
17N/11W-6E3	Otto Hughes		41									41		41
17N/11W-6E4	Otto Hughes		25									25		25
17N/11W-17D1	Manuel A. Alves		52							20		72		72
17N/11W-17E1	Mrs. George Phillips		14									14		14
17N/11W-17M1	William L. and Mary L. Reiter		7									7		7
17N/11W-20C1	Willism H. Keeney		19									19		19
17N/11W-29Q1	Madeo Peregrina		41									41		41
17N/11W-32A1	Joe Diaz		30									30		30
17N/11W-32A2	H. O. Cleland							58				58		58
17N/11W-32H1								40				40		40
17N/11W-32K1	Robert W. Magruder		5					5				10		10
17N/11W-32Q1								2				2		2
17N/12W-24R1	Gregory A. Harrison		59									59		59
Total Mendocino County		61	3,737	191	0	17	34	558	0	223	0	4,821	90	4,911
Total Coyote Valley Subunit		61	3,737	191	0	17	34	558	0	223	0	4,821	90	4,911
					UPPER RUSSIAN SUBUNIT									
12N/9W-20E1	C. W. Hallinan		8									8	11*	19
12N/11W-2E1	A. DeMarcantonio							13				13		13
12N/11W-14P1	Robert L. and Elaine Crandall		8									8		8
13N/11W-6Q1	J. W. Hawn		4	52								56		56
13N/11W-7F1	John I. Haas									36		36		36
13N/11W-18A1	Incorporated							14		90		104		104

TABLE II (Continued)

IRRIGATED LANDS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					UPPER RUSSIAN SUBUNIT (Continued)									
13N/11W-18P1	John N. Gardner			6				14				20		20
13N/11W-18R1	A. F. Moulton Company			11				59				70	10*	80
13N/11W-19A1	John Rosetti							7				7		7
13N/11W-19A2 13N/11W-19H1	John I. Haas Incorporated							54				54		54
13N/11W-19G1	David J. Henderson and Chris Keiffer							91				91		91
13N/11W-19N1	C. O., F.M. and C. R. Fairbairn							49				49		49
13N/11W-20P1 13N/11W-20Q1	Frank Ponzio	4						25	10			39		39
13N/11W-21E1	Irving H. Bliss						23					23		23
13N/11W-22G1	Swen G. Gummer		15									15	16	31
13N/11W-28E1	L. Grace	11										11		11
13N/11W-29P1	Thelma Ingram		3									3		3
13N/11W-29Q1	Alex Rorobaugh		8									8		8
13N/11W-30A1	Rosetti Brothers							34				34		34
13N/11W-30H1	L. Grace		41									41		41
13N/11W-30J1	Vencezio Milone							33				33		33
13N/11W-32A1 13N/11W-33K1 13N/11W-33M1	G. P. Bradford		139 23									139 23		139 23
13N/12W-1A1	A. F. Moulton Company							14				14		14
13N/12W-1B1	Jessie Crawford		5	14				23				42		42
13N/12W-1H1	A. F. Moulton Company		7									7		7
13N/12W-1H2	J. W. Hawn	27						7	6			40		40
13N/12W-15K1	F. J. Hellman		32									32		32
13N/12W-24P1	C. W. Johnson		67					17				84		84
14N/12W-3N1	R. E. Ledford		21					60				81		81
14N/12W-4B1	Martin P. Stipp							79				79		79
14N/12W-4E1	Joseph A. Lamalfa							28				28		28

TABLE 11 (Continued)

IRRIGATED LANDS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					UPPER RUSSIAN SUBUNIT (Continued)									
14N/12W-4J1	G. ... Schrader							132				132		132
14N/12W-5K1	J. N. Stipp							10				10		10
14N/12W-5P1								37				37		37
14N/12W-9A1	L. Wagner		8					53				61		61
14N/12W-10C1	Anna Thomas							20				20		20
14N/12W-10C2	Samuel D. Cowan							48				48		48
14N/12W-10F1	Crellin Fitzgerald		62	8								70		70
14N/12W-10L1	Louis F. Johnson			6				43	12			61		61
14N/12W-10P1	Robert C. Kircher							154				154		154
14N/12W-14M1	G. E. Dutton												27	27
14N/12W-23H1	Herman W. Nelson		29					79	37			145		145
14N/12W-26E1														
14N/12W-25F1	John Reed Lowe		4					22				26		26
14N/12W-25J1	Estate of Elmer Ruddick			17				4				21		21
14N/12W-25L1	Ivan Crawford		42					69	20			131		131
14N/12W-28M1	Eleanor M. Scott and Mildred Chambers		4									4		4
14N/12W-36D1	Ivan Crawford												13	13
14N/12W-36Q1	Clifford W. Crawford		28					48	7			83		83
15N/12W-4E1	Albert Luakari								8			8		8
15N/12W-5J1	E. A. Ford												12	12
15N/12W-5R1	E. G. Harmon							20				20		20
15N/12W-9D1	John and Rita Drivell							12				12		12
15N/12W-9E1	Neva L. Kunzler							18				18	13	31
15N/12W-16D1	Harriet O. White							128				128		128
15N/12W-16D2	Agnes C. Thomas							5				5		5
15N/12W-16E1	Stickney, Ruel; Rea J. Newell; and Bolden, Ruth							30				30		30
15N/12W-16E2	Bricarelli, F.							8				8		8
15N/12W-16L1	S. W. Watson		33									33		33

TABLE 11 (Continued)

IRRIGATED LANDS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					UPPER RUSSIAN SUBUNIT (Continued)									
15N/12W-22K1	Bartolomei Brothers							10				10		10
15N/12W-24Q1	W. A. German		7	3								10	4	14
15N/12W-25F1 15N/12W-25R1	Mendocino State Hospital	11	32	120				9				172	4*	176
15N/12W-27B1	J. P. Lucchesi								33			33		33
15N/12W-28A1	Sterling Norgard							13				13		13
15N/12W-28F1 15N/12W-28L2	Russell Scott							36				36	2	38
15N/12W-28Q1	Minnie O. Scott; James E. and Chaplin Williams							59				59		59
15N/12W-28L1	Mendocino State Hospital			21						4	23	48	22*	70
15N/12W-28L3	Evart Cox							35				35		35
15N/12W-33L1	Sterling Norgard							25				25		25
15N/12W-33Q1	A. R. Thomas							143				143		143
15N/13W-12A1	F. Bricarelli and Hollowtree Lumber Company							7				7		7
16N/12W-28F1	Robert N. and Juliet S. Peterson												7	7
16N/12W-29E1 16N/12W-32C1	Loren and Mark York		15					11 17				26 17	6*	32 17
16N/12W-33K1	David G. Thompson		44									44		44
16N/12W-33K2	Floyd C. Lawrence		18									18		18
16N/12W-33Q1	David G. Thompson		6									6		6
Total Lake County		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mendocino County		53	713	258	0	0	28	1,926	133	130	23	3,259	147	3,406
Total Upper Russian River Subunit		53	713	258	0	0	23	1,926	133	130	23	3,259	147	3,406

[redacted] II (Continued)

IRRIGATED LANDS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
						SULPHUR CREEK SUBUNIT								
11N/10W-3H1	P. C. Hale		9					10				19		19
Total Lake County		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Mendocino County		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Sonoma County		0	9	0	0	0	0	10	0	0	0	19	0	19
Total Sulphur Creek Subunit		0	9	0	0	0	0	10	0	0	0	19	0	19
						MIDDLE RUSSIAN SUBUNIT								
9N/7W-7F1	Gilbert Foote		46									46	3	49
9N/7W-17C1 9N/7W-17L1	Douglas Clegg		67	31		6		12				116	25	141
9N/7W-18B1	Hooper Jackson		51									51		51
9N/7W-20H1	Robert C. Eckart		6					16				22	10	32
9N/7W-31G1	Allen W. Kettlewall										7	7		7
9N/8W-3F1 9N/8W-3L1	LaFranchi Brothers		14	12								26	6	6 26
9N/8W-7D1	Donald E. Mohn, et al.				3							3	5	8
9N/8W-7N1 9N/8W-18C1	Wallace Johnson Redwood Hereford Ranch		251					10				261		261
9N/8W-8H1	Peter Lowe		37									37		37
9N/8W-11K1	Jack Radway		124									124		124
9N/8W-13C1	Hooper Jackson		7									7		7
9N/8W-16L1	Peter Lowe		16									16		16
9N/8W-17G1	Paul B. Young		15	6				1				22	12	34
9N/8W-17N1	J. E. and Ruth Bowen		6									6		6
9N/8W-18G1	James Petersen		7									7		7
9N/8W-19A1	Percy Welch		10					32				42		42
9N/8W-19J1	Fred Zanoline							17				17		17
9N/8W-19J2	Arnold V. Rasmussen		71									71	10	81

TABLE 11 (Continued)

IRRIGATED LANDS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					MIDDLE RUSSIAN SUBUNIT (Continued)									
9N/8W-20A1 9N/8W-20E1	Elmer Axell		71									71		71
9N/8W-21B1 9N/8W-21K1	A. B. Siri		47	14								61		61
9N/8W-24A1	Lew W. Cook		81									81	4	85
9N/8W-28A1	C. O. Spurgeon		3									3		3
9N/8W-33M1	Clarence Wright		4									4		4
9N/9W-1P1	Henry Dick							123				123		123
9N/9W-2F1	Grace Brothers									40		40		40
9N/9W-2F2	Incorporated		14									14		14
9N/9W-5J1	Salvation Army Lytton Home		72									72		72
9N/9W-12B1	Paul and Walter Rued			68			3	6		3		80	5	85
9N/9W-13N1	J. Paul Thompson												6	6
9N/9W-14C1	Foppiano Brothers		4					45				49		49
9N/9W-14D1	Rio Linda Academy												8	8
9N/9W-15D1	Passalacqua, Emile							24				24		24
9N/9W-15G1	Rio Linda Academy												11	11
9N/9W-15H1	Passalacqua, Emile		5					35	14			54		54
10N/8W-31L1	Truman H. and Lucille Clark												35	35
10N/9W-18C1	Leslie McDonald Flech							23				23		23
10N/9W-18C2	Harland B. Remmel							12				12		12
10N/9W-18C3	Earl Douglass		43									43		43
10N/9W-28G1	Drake, M. A.			29							9	38	20	58
10N/9W-23J1	William D. Dana		35									35		35
10N/9W-23L1	Flora T. Johnson and Helen J. Gardner		12									12		12
10N/9W-23P1	Robert Young		6									6		6
10N/9W-25E1								75				75		75

TABLE II (Continued)

IRRIGATED LANDS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					MIDDLE RUSSIAN SUBUNIT (Continued)									
10N/10W-4B1	Italian Swiss Colony Winery										8	8		8
10N/10W-11G1	Edward Pratti												9	9
11N/10W-5M1	L. L. and Lena Tyler	13	6									19	7*	26
11N/10W-5M2	Lyall T. Neat		7									7		7
11N/10W-6C1	Golden Rule Church Association										3	3		3
11N/10W-6R1	H. S. Chandler			6								6		6
11N/10W-28L1	Italian Swiss Colony Winery								565			565	10*	575
11N/10W-28L2	Black, James							41	4			45		45
11N/10W-34Q1	Wesley B. Clay		32								5	37		37
11N/11W-36J1	Phillip A. Kennedy		5	18								23		23
12N/11W-25E1	Jessie F. McCutchan		8	9								17		17
12N/11W-25E2	Walter L. Haehl		7									7		7
Total Mendocino County		0	15	9	0	0	0	0	0	0	0	24	0	24
Total Sonoma County		13	1,175	184	3	6	3	472	583	43	32	2,514	186	2,700
Total Middle Russian Subunit		13	1,190	193	3	6	3	472	583	43	32	2,538	186	2,724
					DRY CREEK SUBUNIT									
8N/9W-6B1	Arthur H. and Ruth L. Folger		3									3		3
8N/10W-4G1	Harold R. Sanns		13									13		13
9N/9W-6D1	Albert B. Johnson		3									3		3
9N/9W-6D2	Joseph W. Salz		8									8		8
9N/9W-7B1	Lewis M. Norton		22									22		22
9N/9W-7M1	Ernest H. Withro							16				16		16
9N/9W-7N1	Kenneth Hess							7				7		7
9N/9W-30M1	C. H. Rickman		28									28		28
9N/9W-31C1	Vad Jelton		18									18		18

TABLE II (Continued)

IRRIGATED LANDS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
	DRY CREEK SUBUNIT (Continued)													
9N/9W-31C1	Harold Schmidt		10									10		10
9N/10W-1M1	Therman Howe							10				10		10
9N/10W-2C1	Jack Mounts							27				27	9	36
9N/10W-2G1	Paul LeBaron			12				124	9			145		145
9N/10W-2J1	Carl F. Nelson							5			20	25	5	30
9N/10W-2H1	Americo Ratanelli							75				75		75
9N/10W-2H2	Carl F. Nelson										25	25		25
9N/10W-12C1	Lissauer and Myer							24				24		24
9N/10W-25F1	C. H. Caspersen												3	3
10N/10W-9E1	D. C. Oakleaf		8									8		8
10N/10W-18G1	Henderlong Ben		3					4				7		7
10N/10W-21B1	Walter G. Bell							35	11			46		46
10N/10W-21C1	Mrs. A. DelCarlo							40				40		40
10N/10W-22L1	Grace, Fred and Robert Hartsook							15	8			23		23
10N/10W-22L2	Glazer Albert							50				50		50
10N/10W-35M1	Henry C. Witbro							26				26		26
10N/10W-35N1	Timber Crest Farms (Ronald Waltenspiel)							19				19	14*	33
10N/11W-12F1	Walter Mutter							16				16		16
11N/11W-20D1	Dorsey H. McLaughlin		10									10		10
11N/11W-21R1			15									15		15
11N/11W-30A1			11									11		11
11N/11W-33D1	Mary E. Wilen	12										12		12
12N/12W-8Q1	C. C. Prather		3									3		3
12N/12W-15G1	Samuel L. and Noreen Wilson		4									4		4
Total Mendocino County		0	7	0	0	0	0	0	0	0	0	7	0	7
Total Sonoma County		12	152	12	0	0	0	493	28	0	45	742	31	773
Total Dry Creek Subunit		12	159	12	0	0	0	493	28	0	45	749	31	780

TABLE II (Continued)

IRRIGATED LANDS IN

RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
						MARK WEST SUBUNIT								
7N/9W-10B1	Russell L. Denner									48		48	50	98
7N/9W-16A1	L. K. Land							7				7		7
7N/9W-16A2		6										6		6
8N/7W-18E1	Peter Pelm										3	3		3
8N/7W-20E1	Lavone C. Priest										9	9		9
8N/7W-27H2	R. B. Nawman		21									21		21
8N/7W-27H1														
8N/7W-29B1	A. W. Sloat		3									3	5	8
8N/8W-5K1	Mary Gubbins Larkin		5									5		5
8N/8W-6R1	George Greott		2					92				94	4	98
8N/8W-7C1	Stanley D. Arata		13									13		13
8N/8W-27Q1	Eugene Suacci		16									16		16
8N/8W-29K1	Ira F. and Edith K. Brown										36	36		36
8N/8W-30Q1	A. Gilardoni		104									104		104
8N/8W-31C1														
8N/8W-34K1	J. M. Salinger		3									3		3
8N/9W-1H1	William G. Wilson		12									12		12
8N/9W-1K1	Joseph Battasso		5					25				30		30
8N/9W-1Q1														
8N/9W-22A1	A. O. Buhler		17									17		17
8N/9W-34F1	John Williams, Jack Jensen, and A. A. Muchow		77									77	8	85
8N/9W-35G1	Eugene Slusser							5				5		5
8N/9W-35Q1				4				53		23		80		80
8N/9W-35Q2								19	12		35	66		66
9N/8W-31E1	Dorothy W. Atkinson		7									7		7
Total Sonoma County		6	285	4	0	0	0	201	12	71	83	662	67	729
Total Mark West Subunit		6	285	4	0	0	0	201	12	71	83	662	67	729

TABLE II (Continued)

IRRIGATED LANDS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					SANTA ROSA SUBUNIT									
6N/7W-2M1	Gilbert Walker		11									11		11
6N/7W-3J1			16									16		16
6N/7W-4R1	Beck Brothers		16									16		16
6N/7W-23J1	Cleve A. Duerson		8									8		8
7N/7W-5K1	Annabel L. Lagomarsino	4										4		4
7N/7W-8B1	Joseph Massini												3	3
7N/7W-14J1	Kenton Smith										14	14		14
7N/7W-23A1	Estate of Paul X. Smith		13									13		13
7N/7W-24C1			38									38		38
7N/7W-24D1														
7N/7W-2F1	R. H. Walter		166									166		166
7N/8W-3J1	W. L. Armstrong		5									5		5
7N/8W-17N1	Petersen Farms	49									18	67		67
7N/8W-19H1	Harry Rasmussen		75							27		102		102
7N/8W-19N1	Wendel Dairy	47	25							28		328		328
7N/8W-20C1	Wards Investment Company			41								41		41
7N/8W-21E	Romillo J. Caselli and W. S. Petersen		38									38		38
7N/8W-22K1	C. E. Carlson							13			24	37		37
7N/8W-22L1	Warren Dutton										[illegible]	[illegible]		22
7N/9W-13P1	Paul Christenson		16									16		16
7N/9W-13P2	Chris Ketelsen		80									80		80
7N/9W-14M1	Elinore and Gus Luers						24					24		24
Total Sonoma County		95	743	41	0	0	24	13	0	55	75	1,046	3	1,049
Total Santa Rosa Subunit		95	740	41	0	0	24	13	0	55	75	1,046	3	1,049

TABLE 11 (Continued)
IRRIGATED LANDS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
						LAGUNA SUBUNIT								
6N/7W-17B1	T. Alpin												13	13
6N/7W-21H1	George F. Orr		9									9		9
6N/7W-22P1	Ransom Cook		8									8		8
6N/8W-7K1	Stanley C. Bengston		45									45		45
6N/9W-12A1	Annabel Lagomarsino		57									57		57
6N/9W-12B1	John J. Camotta		11									11		11
6N/9W-24E1	George Nahmens		27									27		27
7N/9W-15J1	Louis A. Frei							10				10		10
7N/9W-22A1	Frank and Carsin Whitlach												21	21
7N/9W-22B1	Tom and Joe Furusho and L. W. Winkler							17				17		17
7N/9W-22L1	C. S. Farris									15		15		15
7N/9W-22R1	Findley Ranch Land Company		61							24		85	12	97
7N/9W-26L1		41	36							11		88		88
7N/9W-23E1	R. K. Carlson		17									17	21	38
7N/9W-23N1	Edward H. and Laura Smith						16					16	16	32
7N/9W-35B1	Emma E. Baker		22									22		22
7N/9W-35B2	Jack Dei		15									15		15
7N/9W-35B3	Louise K. Nelson		19									19		19
7N/9W-35H1	Jack Dei		62									62		62
Total Sonoma County		41	389	0	0	0	16	27	0	50	0	523	83	606
Total Laguna Subunit		41	389	0	0	0	16	27	0	50	0	523	83	606

TABLE II (Continued)

IRRIGATED LANDS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					LOWER RUSSIAN SUBUNIT									
6N/9W-4E1	Primo Palladini												6	6
6N/9W-5K1	William Ala										9	9		9
6N/9W-5K2	K. R. Tucker		11									11		11
6N/9W-5L1	George Lopizich										6	6		6
6N/9W-5M1	Bert Garner		41									41		41
6N/9W-7A1	Marshal W. Ornbaun							5				5		5
7N/9W-7K1	E. S. Townsend		8									8		8
7N/9W-7K2	Ralph J. Smith												13	13
7N/9W-8D1	Robert J. Hallberg		22									22		22
7N/9W-16E1	Don L. Winkler		15									15		15
7N/9W-17A1			22									22		22
7N/9W-18A1	E. S. Townsend		23									23		23
7N/9W-18A2			15	21								36		36
7N/9W-20A1	W. S. Winkler							35				35		35
7N/9W-20D1	L. C. Scheidecker		21									21	5	26
7N/9W-28M1	Albert Helwig		61								8	69		69
7N/9W-30A1	N. O. Lindberg		38					17	12			67	10	77
7N/9W-30Q1	Paul and Elinore Rued		18									18		18
7N/9W-30Q1	Mrs. D. C. Simpeon									10	7	17		17
7N/10W-1Q1	A. Caeentino		4									4		4
7N/10W-6H1	A. Confiotti												7	7
7N/10W-13N1	L. Bob Gianni												6	6
7N/10W-13P1													8	8
7N/10W-23E1	Albert and Fred Gerhardt (Azalea Dam)		34									34		34
7N/11W-11F1	Milton S. Lalranchi												21	21
7N/11W-11H1	Mary Sheridan												7	7
7N/11W-11N1	George Caeini		18									18		18
7N/11W-12C1	Mary Sheridan												12	12

TABLE II (Continued)

IRRIGATED LANDS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					LOWER RUSSIAN SUBUNIT (Continued)									
7N/11W-17Q1	E. J. Willig		13									13		13
7N/11W-17P1		26										26		26
8N/9W-2Q1	Albert LeBrett		3									3		3
8N/9W-3E1	Jim LeBaron							64				64		64
8N/9W-3P1	John Preston Ranch Company		174					14				188		188
8N/9W-9H1				45				18	6			69		69
8N/9W-16A1	Alex S. Russell		26							39	19	84	59	143
8N/9W-16A2	E. D. Thompson		43									43		43
8N/9W-16H1	Sonoma Ranch Company						4	32	2	13		51	26	77
8N/9W-16H2	Warren Richardson			93				4				97		97
8N/9W-16Q1	Adelma W. Fenton									22		22		22
8N/9W-20Q1	Listo Pencil Company									60		60		60
8N/9W-21B1	Adelma W. Fenton								13		20	33		33
8N/9W-21F1	Francis J. Heagerty		23					13				36		36
8N/9W-21H1	Katherine Hopkins							78	21			99		99
8N/9W-21L1	C. S. Litton		12					19				31		31
8N/9W-28C1	Estate of J. T. Grace												73	73
8N/9W-29B2	Bonamar Farms							46				46		46
8N/9W-29F1	Sonoma County Flood Control and Water Conservation District Aqueduct No. 1		95									95	22	117
8N/9W-29P1	Hubert Ballard							27				27	3	30
8N/9W-31B1	L. M. Meredith							12		11	5	28		28
8N/9W-31H1										16		16		16
8N/9W-32D1	Everett S. Ballard		6	15				56				77		77
8N/9W-32J1	Peterson Farms		35									35		35
8N/9W-32J2	Mrs. Jack Loomis		25									25		25
8N/9W-32K1	Harold A. Boyd									25		25		25
8N/9W-32L1	Joe Rochioli							6			9	15		15

TABLE 11 (Continued)
IRRIGATED LANDS IN
RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959
(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					LOWER RUSSIAN SUBUNIT (Continued)									
8N/9W-32L2	Sonoma Ranch Company							81				81		81
8N/9W-33K1	Arland F. Emert			12								12		12
8N/9W-33L1	Peterson Farms			25								25		25
8N/9W-33M1	Tom Fish		71									71		71
8N/9W-33M2	Arland F. Emert													
8N/10W-21Q1	Adolph and Paul Heck		7				8					15		15
8N/10W-28R1	F. Korbel, Inc.								5			5		5
Total Sonoma County		26	884	211	0	0	12	527	59	196	83	1,998	278	2,276
Total Lower Russian Subunit		26	884	211	0	0	12	527	59	196	83	1,998	278	2,276
					AUSTIN CREEK SUBUNIT									
					(No irrigation in this subunit)									
					BODEGA SUBUNIT									
5N/8W-16Q1 5N/8W-16R1	Martin J. Witt		65									65		65
5N/9W-3C1	Roland Matteri		24									24		24
5N/9W-3M1	St. Anthony Farms, Incorporated		34									34		34
5N/9W-10B1	Marie Smith		18									18		18
5N/9W-15E1	Alfred Martinoni		9									9		9
5N/9W-22M1 5N/9W-22P1	William E. and Evelyn Souza		14	10								24	18	42
6N/8W-31E1	Arthur C. Iverson		5									5		5
6N/10W-2L1	Emil Oden		2									2	2	4
6N/10W-12F1	George P. and Mildred Freund		14									14		14
6N/10W-12J1 6N/10W-12J2	Adolph Trappe		6									6	8	8 6
6N/10W-12P1	Robert E. Widdle	6										6		6

TABLE II (Continued)

IRRIGATED LANDS IN RUSSIAN RIVER HYDROGRAPHIC UNIT, 1959

(In acres)

Location Number	Diversion Name Or Owner	Pasture		Alfalfa Hay and Pasture	Grain		Other Hay and Grain	Orchard	Vineyard	Field Crops	Truck Crops	Total Lands Irrigated	Idle Irrigated Lands	Total
		Native	Mixed		Barley	Wheat								
					BODEGA SUBUNIT (Continued)									
6N/10W-13K1	Guy L. Mann, Jr.		11									11	6*	17
6N/10W-16R1	Mary Maffia		21									21		21
6N/10W-22L1 6N/10W-22N1	George Giordano		35									35		35
6N/11W-14R1	Charles Welling	10										10		10
Total Marin County		0	14	10	0	0	0	0	0	0	0	24	18	42
Total Sonoma County		16	244	0	0	0	0	0	0	0	0	260	16	276
Total Bodega Subunit		16	258	10	0	0	0	0	0	0	0	284	34	318
					WALKER CREEK SUBUNIT									
4N/8W-25M1	A. T. Dolcini		26									26		26
4N/8W-31G1	Estate of Angelina Berri		6									6		6
4N/9W-10C1	Eatate of B. O. Garzoli												13	13
Total Sonoma County		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Marin County		0	32	0	0	0	0	0	0	0	0	32	13	45
Total Walker Creek Subunit		0	32	0	0	0	0	0	0	0	0	32	13	45

* Fallow

irrigated lands are those lands which were not irrigated in the year of the survey, but which had been irrigated within the preceding 3 years.

The irrigated lands were identified on the work maps by diversion service area and by crops irrigated, but on Plate 2, they are grouped into just 3 categories: (1) those lands which received a full irrigation during the year of survey, (2) those lands which received only a partial irrigation because of insufficient water supply, and (3) those lands usually irrigated, but which were idle or fallow in 1959.

Naturally High Water Table Lands

In addition to the lands which receive applied water, as described above, there are lands supporting vegetation utilizing water from a naturally high water table, such as mountain meadows or lands adjacent to lakes and streams. These are shown on Plate 2 as "naturally irrigated meadowlands," and are listed in Table 11 as "meadowlands and marshlands."

Dry Farmed Lands

Dry farmed lands are those lands normally planted to a crop, but which do not receive applied water. This includes all lands so farmed whether or not a crop is produced in the year of survey. Dry farmed lands are called "idle" if entirely uncultivated in the year of survey and "fallow" if tilled, but without a crop. Lands which had been idle for more than 3 years and appear to have reverted to "native vegetation" were so mapped.

It should be noted that the term "dry farmed," as used herein, refers to the farming practice on these lands and not to a lack of soil moisture.

Urban Lands

Urban lands include the total area of cities, towns, small communities, industrial plots, and military reservations which are large enough to be delineated. Also included are parks, golf courses, race tracks and cemeteries within or near urban boundaries. The acreages represent gross delineations, including streets and vacant lots and are therefore not necessarily fully developed at the present time. In this survey, the boundaries of urban communities were delineated to include all lands with a density of 1 house or more per 2 acres. Military reservations are included in entirety regardless of the extent of development.

Recreational lands

Recreational lands are mapped on aerial photographs in the field in 4 categories: (1) residential, (2) commercial, (3) camp and trailer sites, and (4) parks. Recreational residential lands include permanent and summer home tracts within a primarily recreational area. The estimated density of homes per acre was also indicated. Recreational commercial lands include those containing motels, resorts, hotels, stores, restaurants and similar commercial establishments in primarily recreational areas. Lands mapped in the camp and trailer sites category include those areas so used within primarily recreational

Lake Mendocino

Armstrong Redwoods State Park

areas outside the boundaries of parks. The entire area within the boundaries of parks is included without regard to specific uses within them. Obviously, nearly all of the mountainous and water surface areas are suitable for some use such as hunting, fishing, hiking, picnicking, and other recreation activities of this nature. For the purpose of this land use survey, however, consideration is given only to those lands where some fairly intensive development occurs requiring water service.

The recreational lands are combined into 1 group in Table 11 and on Plate 2. As in the case of urban lands, the areas delineated are not necessarily full developed.

Native Vegetation

Lands, which are essentially in a native state and not included in any of the above categories, are mapped as "native vegetation." They total approximately 969,230 acres, or 87 percent of the Russian River Hydrographic Unit. (Ground cover consists mostly of grass, brush or trees, or combinations of these species.) Included in these areas are water surfaces, scattered residences, and other associated land uses, covering a few acres or less, which are too small to be mapped separately. These lands are used to some extent for quarrying, commercial timber production, livestock range, and recreational activities, such as fishing, hunting, hiking, and picnicking.

CHAPTER IV - LAND CLASSIFICATION

Calculations of future water requirements will be based in a large part on a classification of lands with regard to their potential for irrigated agriculture and recreational development. The results of such a land classification conducted in the Russian River Hydrographic Unit are presented in this chapter.

Lands were not classified in this survey with respect to their potential for urban development. The use of lands for urban purposes is closely related to population at any given time, and it is planned to defer designation of these lands until estimates of population and related economic studies are made in connection with determinations of future water requirements.

The former Division of Water Resources made a reconnaissance classification of lands of the State which was reported in State Water Resources Board Bulletin No. 2, dated June 1955. The data on agricultural lands reported herein are in considerably greater detail than the information in Bulletin No. 2. This bulletin also includes additional data on classification of recreational lands.

Results of the land classification survey conducted in 1959 are shown on Plate 3, "Classification of Lands." The total areas of each classification are listed by subunits in Table 12.

TABLE 12

CLASSIFICATION OF LANDS IN RUSSIAN RIVER HYDROGRAPHIC UNIT
(In acres)

Subunit and County	Irrigable agricultural lands													Present urban lands, 1959	Recreational lands					Forest lands	Marsh lands
	Smooth lying							Gently sloping			Steeply sloping			Total							
	V	Vw	Vl	Vr	Vp	Vpr	Vh	H	Hp	Hpr	M	Mp	Mpr		U	RR	RC	RT	PP	Total	P	Vm
Forsythe Creek																						
Mendocino	2,928	0	0	0	642	0	0	1,564	1,721	0	37	1,000	0	7,892	701	0	0	0	0	0	2,898	0
Coyote Valley																						
Lake	0	0	0	0	0	0	0	19	0	0	0	12	0	31	0	0	0	0	0	0	0	0
Mendocino	6,381	0	0	0	0	0	0	1,534	959	0	0	1,190	222	10,286	79	347	5	341	5	698	1,108	0
Upper Russian																						
Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
Mendocino	14,881	19	227	0	273	0	0	3,185	3,012	9	0	2,595	507	24,708	3,618	209	21	36	53	319	8,390	16
Sulphur Creek																						
Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mendocino	0	0	0	0	0	0	0	0	0	0	0	19	0	19	0	0	0	0	0	0	61	0
Sonoma	126	0	37	0	0	0	0	71	125	66	0	325	239	989	8	66	7	2	0	75	1,060	2
Middle Russian																						
Mendocino	154	1	21	0	0	0	0	82	75	0	0	229	0	562	0	0	0	0	0	0	598	0
Sonoma	13,270	49	361	23	2,047	258	218	567	6,318	821	36	6,125	822	30,915	1,692	286	56	27	0	369	2,591	0
Dry Creek																						
Mendocino	245	0	0	0	9	0	0	443	116	0	0	406	0	1,219	12	0	0	0	0	0	976	0
Sonoma	5,924	6	160	0	94	0	0	417	2,721	0	0	3,770	0	13,092	1,455	80	4	0	0	84	2,166	0
Mark West																						
Sonoma	3,061	49	0	0	10,806	0	107	138	6,601	348	0	4,919	1,321	27,350	1,857	210	49	0	0	259	473	0
Santa Rosa																						
Sonoma	1,288	92	0	0	7,950	0	155	0	4,039	1,087	0	2,754	1,915	19,280	8,837	0	0	0	53	53	761	7
Laguna																						
Sonoma	680	356	0	0	14,525	0	6,535	0	9,448	677	0	4,276	977	37,474	9,440	0	0	0	119	119	75	0
Lower Russian																						
Sonoma	9,037	149	210	0	498	0	17	337	8,582	207	300	9,202	404	28,943	2,169	13,065	229	372	559	14,225	592	14
Austin Creek																						
Sonoma	91	0	0	0	0	0	0	43	24	0	0	261	0	419	98	4,698	13	122	0	4,833	789	0
Bodega																						
Marin	489	0	0	0	321	0	0	0	4,936	190	16	6,353	248	12,553	0	76	0	0	0	76	0	399
Sonoma	3,258	12	6	0	1,789	18	0	0	13,969	219	1	12,648	175	32,095	400	38	0	43	926	1,007	0	521
Walker Creek																						
Marin	1,063	14	0	0	138	0	25	18	5,870	521	227	5,593	1,353	14,822	102	4	3	0	0	7	1,277	197
Sonoma	0	0	0	0	342	0	0	0	1,197	72	0	335	0	1,946	0	0	0	0	0	0	0	0
Lake	0	0	0	0	0	0	0	19	0	0	0	12	0	31	0	0	0	0	0	0	27	0
Marin	1,552	14	0	0	459	0	25	18	10,806	711	243	11,946	1,601	27,375	102	80	3	0	0	83	1,277	596
Mendocino	24,589	20	248	0	924	0	0	6,808	5,883	9	37	5,439	729	44,686	4,410	556	26	377	58	1,017	14,031	16
Sonoma	36,735	713	774	23	38,051	276	7,032	1,573	53,024	3,497	337	44,615	5,853	192,503	25,956	18,443	358	566	1,657	21,024	8,507	544
Totala	62,876	747	1,022	23	39,434	276	7,057	8,418	69,713	4,217	617	62,012	8,183	264,595	30,468	19,079	387	943	1,715	22,124	23,842	1,156

Methods and Procedures

The general methods and procedures used in field mapping and tabulation of information were essentially the same as those described for the land use survey in Chapter III. The standards used in the classification of lands are given in detail in Table 13. An example of land classification delineations on an aerial photograph is shown below: (See Table 13, page for explanation of symbols used)

Example of land classification delineated on aerial photograph

TABLE 13

LAND CLASSIFICATION STANDARDS

Land Class Symbol	Characteristics
	Irrigable Lands
V	These lands are level or slightly sloping and vary from smooth to hummocky or gently undulating relief. The maximum allowable slope is 6 percent for smooth reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are allowed. The soils have medium to deep effective root zones, are permeable throughout, and free of salinity, alkalinity, rock, or other conditions limiting crop adaptability of the land. These lands are suitable for all climatically adapted crops.
H	These are lands with greater slope and/or relief than those of the V class. They vary from smooth to moderately rolling or undulating relief. The maximum allowable slope is 20 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are allowed. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.
M	These are lands with greater slope and/or relief than those of the H class. They vary from smooth to steeply rolling or undulating relief. The maximum allowable slope is 30 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.
Any variation from the foregoing, as defined, is indicated by use of one or more of the following symbols:	
w	Indicates the presence of a high-water table, which in effect limits the present crop adaptability of these lands to pasture crops. Drainage and a change in irrigation practice would be required to affect the crop adaptability.

Land Class Symbol	Characteristics
s	Indicates the presence of an excess of soluble salts or exchangeable sodium in slight amounts, which limits the present adaptability of these lands to crops tolerant to such conditions. The presence of salts within the soil generally indicates poor drainage and a medium to high water table. Reclamation of these lands will involve drainage and the application of small amounts of amendments and some additional water over and above crop requirements in order to leach out the harmful salts.
ss	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of moderate amounts of amendments and some additional water over and above crop requirements in order to effect reclamation.
h	Indicates very heavy textures, which make these lands best suited for production of shallow-rooted crops.
l	Indicates fairly coarse textures and low moisture-holding capacities, which in general make these lands unsuited for the production of shallow rooted crops because of the frequency of irrigations required to supply the water needs of such crops.
p	Indicates shallow depth of the effective root zone, which limits use of these lands to shallow-rooted crops.
r	Indicates the presence of rock on the surface or within the plow zone in sufficient quantity to prevent use of the land for cultivated crops.

Urban Lands

UD - The total area of cities, towns, and small communities presently used for residential, commercial, recreational and industrial purposes.

Recreational Lands

RR - Existing and potential permanent and summer home tracts within a primarily recreational area. The estimated

Land Class Symbol	Characteristics

number of houses, under conditions of full development, is indicated by a number in the symbol, i.e., RR-3 is suitable for three house per acre.

RC - Existing and potential commercial areas which occur within a primarily recreational area and which include motels, resorts, hotels, stores, etc.

RT - Existing and potential camp and trailer sites within a primarily recreational area.

P - Existing and potential county, state, federal, and private parks, racetracks, and fairgrounds.

Miscellaneous Lands

N - Includes all lands which fail to meet the requirements of the above classes.

Major Categories of Land Classes

The lands mapped can be grouped into 4 major categories: (1) irrigable lands, (2) urban lands, (3) recreational lands, and (4) miscellaneous lands - irrigable lands deemed best suited to remain under forest or range management, marsh lands, and all those lands which fail to meet the requirements of the first 3 land class categories.

Irrigable Lands

Irrigable lands are grouped in appropriate classifications according to their suitability for development under irrigated agriculture and their crop adaptability. Presently irrigated lands are included within these classifications, but urban lands and recreational lands are not classed as to irrigability. The time element with respect to when the lands might be developed did not enter the determination, except that suitability for irrigated agriculture was necessarily considered in light of present agricultural technology.

There are many factors which influence the suitability of land for irrigation development. Since soil characteristics and the physiography of the landscape are the most stable of these factors, they were the only ones considered in the survey in classifying lands as to their irrigability. The characteristics of the soil were established by examination of road cuts, ditch banks, and the material from test holes, together with observations of the type and density of native vegetation and crops. Representative slopes throughout the area were measured with a clinometer

Other aspects such as those economic factors related to the production and marketing of climatically adapted crops, the location of lands with respect to a water supply, and climatic conditions were not considered in the basic classification. These latter factors are very important in estimating the nature of future cropping patterns and practices and will be given due consideration when estimates are made of future water requirements.

Urban Lands

It is recognized that future urban expansion will encroach upon some of the irrigable lands. The location and extent of this type of development is a function of many variables. Because this land classification survey is an inventory of relatively unchanging physical conditions, no attempt was made to locate the areas of urban encroachment. Therefore, only those lands devoted to urban uses in 1959 are designated as "urban" lands.

Recreational Lands

Present trends indicate an expanding rate of use and demand for recreational facilities throughout the State. In view of these trends and the ever-increasing population, it is recognized that there will be a demand for substantial land areas for recreational purposes. This is particularly true of the mountainous and coastal regions where this type of development is expanding rather rapidly at the present time.

Generally speaking, all mountainous and coastal lands are suitable for some recreational use such as hunting, fishing,

and similar outdoor activities. However, for purposes of this survey, lands classified for recreational use were limited to those which are now, or may in the future be used intensively for permanent and summer home tracts, camp and trailer sites, and parks outside of urban areas. These are lands requiring intensive water service.

Primary considerations for classification of home tracts and camp and trailer sites were such physical factors as soil depth, slope, and rockiness; such aesthetic values as view, nearness to lakes, streams or seashore, or density and type of forest canopy suitable for the respective uses; and the plans of the federal and state forest officials. An important factor in location of camp and trailer sites is the availability of a water supply, but isolation from existing roads did not influence site selection.

The total areas of existing federal and state parks, rather than the specific areas of potential intensive development therein, are included with the recreational lands on Plate 3. For other parks, only the areas presently developed to intensive recreational use are delineated. No attempt was made to predict where additional park developments will take place.

Miscellaneous Lands

Two types of lands are included as miscellaneous lands in Table 13. They are designated separately on Plate 3. These are: (1) irrigable forest lands, and (2) swamp and marsh lands.

Irrigable forest lands are those forested lands, range lands, or lands subject to some type of forest management, having physical conditions making them suitable for irrigation development but because of climatic conditions and physiographic position are better suited and expected to remain under their present uses.

Swamp and marsh lands are those lands which generally have water standing in them and usually support a heavy growth of tules or phreatophytes.

Approximately 767,868 acres or 70 percent of the area of the hydrographic unit failed to meet the requirements for the irrigable, urban and recreational classification or to be included within the two groups of miscellaneous lands described above.

CHAPTER V - SUMMARY

The Russian River Hydrographic Unit comprises the entire watershed of the Russian River and several smaller drainages which empty directly into the Pacific Ocean. The hydrographic unit occupies 558.3 square miles of Mendocino County, 4.5 square miles of Lake County, 1,039.5 square miles of Sonoma County and 132 square miles of Marin County. A series of long fertile valleys with the crests of the Coast Range on either side make up the general topography of the unit. Agriculture and the lumbering industry have been the chief contributors to development of the unit and are the leading economic factors.

Water Use

A survey was made of water uses supplied by diversion of surface water during 1959. The object of the survey was to locate and obtain data with respect to all diversions of more than 10 acre-feet per year. Continuous or periodic measurements were made on approximately 75 percent of the 409 active diversions located during the year of survey. The quantities of water diverted by these diversions are summarized in Table 5 on page and totaled some 38,000 acre-feet for 1959.

Most of these diversions are based on riparian rights and on appropriative rights established subsequent to the enactment of the Water Commission Act of 1914. Generally, there are

no official records of the riparian rights. Many of the early appropriative rights are not of record, since such rights could be established prior to 1914 merely by actual diversion and use of the water. The basis of water rights for each diversion were determined insofar as possible.

The Water Commission Act now codified in Divisions 1 and 2 of the Water Code, requires formal applications for the appropriation of water. As of July 11, 1962, a total of 532 currently valid applications had been made under Water Commission Act provisions in the Russian River Hydrographic Unit.

Permits or licenses had been granted for 477 of these applications, 39 were pending with the State Water Rights Board, and 16 were incomplete as of that date.

The average seasonal consumptive use of applied water by irrigated lands (1959) is estimated to have been about 58,500 acre-feet. Consumptive use of applied water for municipal, domestic, industrial, and stockwatering purposes were not estimated for this report.

Approximately 38,000 acre feet of surface water was diverted from surface sources in 1959 for application to irrigated lands and would satisfy about 60 percent of the estimated annual average consumptive use of applied water. If the efficiency of applying the water to irrigated lands was 70 percent, only 45 percent of the estimated annual average applied water requirement was satisfied. The apparent deficiency of applied water may be due to one or more of the following conditions: (1) part of applied water was obtained from ground water pumpage, (2) part

of consumptive use was supplied by subirrigation due to a high water table, and (3) the crop received insufficient irrigation. A realistic determination of unit consumptive use of applied water cannot be made in the various subunits due to a paucity of data on well production.

Land Use

A detailed land use survey was conducted in the Russian River Hydrographic Unit in 1959. The areas of land devoted to present uses are summarized as follows:

Use	Area in acres	
Agriculture		
Lands irrigated in 1959	35,097	
Lands usually irrigated, but idle or fallow during 1959	1,722	
Meadowlands	743	
Marshlands	1,156	
Dry farmed lands	68,372	
		107,090
Urban lands		30,468
Recreation lands		3,268
Native vegetation		969,227
TOTAL AREA OF UNIT		1,110,053

Approximately 95 percent of the normally irrigated lands were irrigated in 1959. Of the total agricultural lands, 64 percent was dry farmed in 1959, 33 percent was irrigated in 1959, and about 2 percent was either idle or fallow in 1959. Of the recreational lands, approximately 58 percent are summer homes and

trailer sites. Figure 1 portrays the land use distribution in the Russian River Hydrographic Unit.

Land Classification

A land classification survey similar to the land use survey was conducted in 1959. The following summarizes the acreages of land mapped under this survey:

Classification	Area in acres
Irrigable agricultural lands	264,595
Present urban lands	30,468
Recreational lands	22,124
Miscellaneous lands	
Forest lands	23,842
Marsh lands	1,156
Other lands	767,868
TOTAL AREA OF UNIT	1,110,053

The irrigable agricultural lands, the present urban lands, and the recreational lands represent 24, 3, and 2 percent, respectively, of the total area of the unit. This is shown in Figure 2. Worth noting is the distribution of recreational lands in the unit. The Lower Russian River and Austin Creek subunits contain 64 and 22 percent of the entire hydrographic unit's recreational lands. Portions of the Lower Russian River and Austin Creek subunits classed as recreational are 15 and 11 percent, respectively.

The Laguna subunit has the highest percentage of irrigable agricultural lands within a subunit. Over 66 percent of the area is classified as irrigable agricultural lands. The Mark West and Bodega subunits are also high with 49 and 46 percent, respectively.

The higher percentages of urban classed lands occur in the subunits which contain the larger cities such as Santa Rosa and Sebastopol.

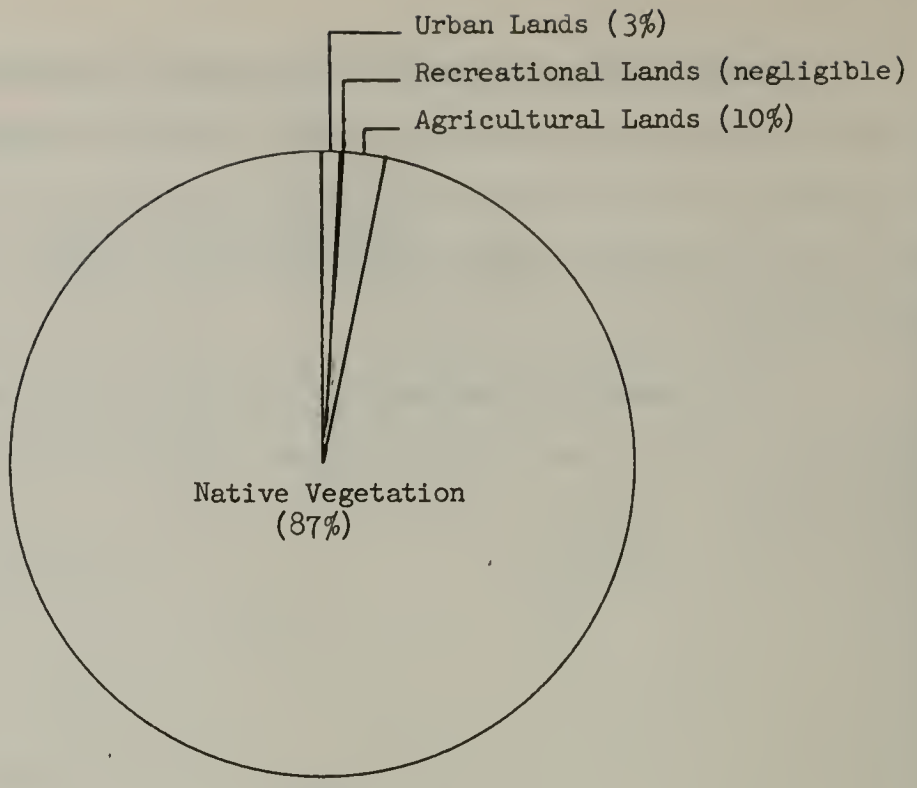

FIGURE 1
1954 LAND USE

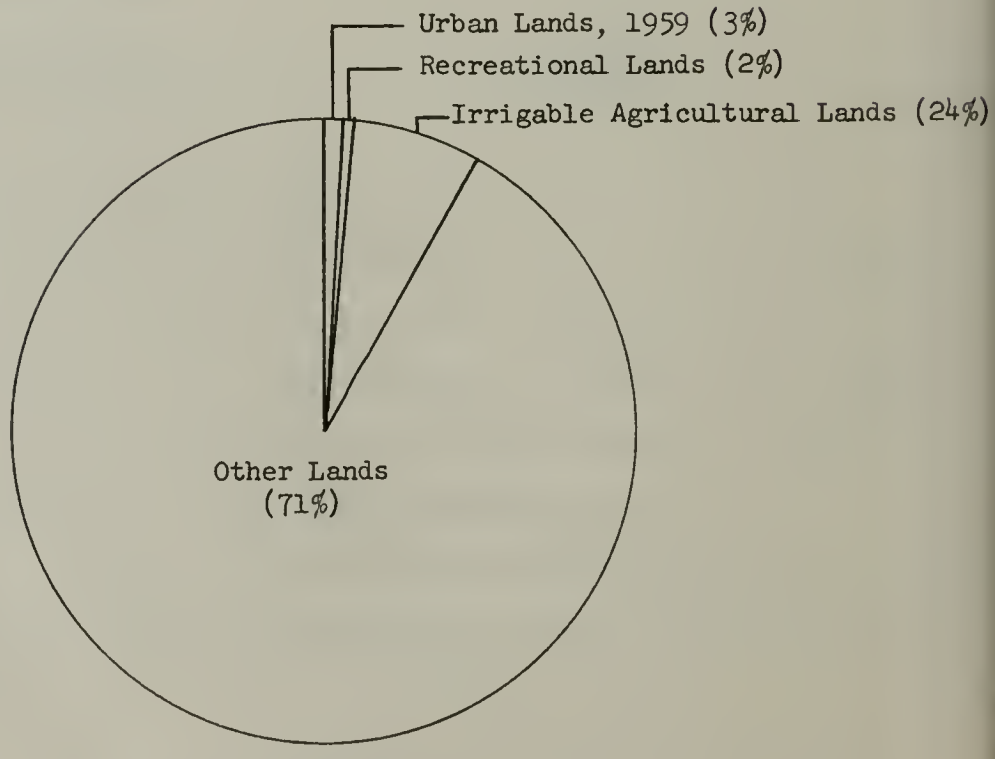

FIGURE 2
CLASSIFICATION OF LAND

APPENDIX A

COORDINATED STATEWIDE PLANNING PROGRAM

APPENDIX A

COORDINATED STATEWIDE PLANNING PROGRAM

California's major water problem today is that of development and delivery of supplemental water supplies to meet increasing water requirements throughout the State. The problem involves (1) the regulation of seasonal and cyclic fluctuation of streamflow to meet demand schedules in the areas of origin, and (2) the transmission of regulated surplus flows over long distances to areas of deficiency. The development and long distance transfer of water is currently accomplished by such major facilities as the federal Central Valley Project and the Colorado River Aqueduct of The Metropolitan Water District of Southern California. The scope and magnitude of such development and transfer will be considerably broadened by the State Water Facilities.

Consumptive water requirements of the State on a basin-wide basis were estimated in State Water Resources Board Bulletin No. 2, "Water Utilization and Requirements of California," June 1955. However, to provide for local water needs while considering specific export projects, more detailed information must be made available on present and projected future water requirements of the areas in which the projects are to be built. This will necessitate considerably more detailed collection and analysis of data on the hydrology, land use, land capability, and economics. Such information is also needed for effective and equitable allocation of available funds for assistance to local projects.

Recognizing that additional information is needed if the water needs of areas of origin are to be adequately protected in large-scale water development projects, the 1956 Legislature authorized an Inventory of Water Resources and Requirements of the respective watersheds in the State. The authorization is contained in Chapter 61, Statutes of 1956 as amended by Chapter 2025, Statutes of 1959. This legislation is codified in Section 232 of the Water Code as follows:

> "232. The Legislature finds and declares that in providing for the full development and utilization of the water resources of this State it is necessary to obtain for consideration by the Legislature and the people, information as to the water which can be made available for exportation from the watersheds in which it originates without depriving those watersheds of water necessary for beneficial uses therein. To this end, the department is authorized and directed to conduct investigations and hearings and to prepare findings therefrom and to report thereon to the Legislature at the earliest possible date with respect to the following matters:
>
> (a) The boundaries of the respective watersheds of the State and the quantities of water originating therein;
>
> (b) The quantities of water reasonably required for ultimate beneficial use in the respective watersheds;
>
> (c) The quantities of water, if any, available for export from the respective watersheds;
>
> (d) The areas which can be served by the water available for export from each watershed; and
>
> (e) The present use of water within each watershed together with the apparent claim of water right attaching thereto, excluding individual uses of water involving diversions of small quantities which, in the judgment of the Director of Water Resources, are insufficient in the aggregate to materially affect the quantitative determinations included in the report.

Before adopting any findings which are reported to the Legislature, the department shall hold public hearings after reasonable notice, at which all interested persons may be heard."

For purposes of this investigation, the State has been divided into twelve major hydrographic areas. These areas, in turn, have been subdivided into hydrographic units generally comprising watersheds of individual rivers. These watersheds will be field surveyed in some detail and where previous detailed studies have been made the information will be brought up-to-date. Surveys of land and water use will be made and published separately for each of these hydrographic units. Bulletin 94-11, "Land and Water Use in Russian River Hydrographic Unit," is the eleventh of a series of bulletins reporting the results of these surveys.

At a future date, estimates, largely based on the land and water use surveys, will be made of quantities of water reasonably required for future beneficial uses in each watershed. The quantity of water potentially available for export from each watershed will be determined after allowances are made for the satisfaction of the local requirements and prior rights to divert water to other areas. For these watersheds in which no exportable water is available the water supply deficiency will be determined. These estimates will be published as they become available, in such form as to make possible a county-by-county determination.

The basis of calculations of future water requirements will be based in part on predicted future land uses, derived from land classification surveys, economic studies, population forecasts, industrial and agricultural development, and recreational

needs. Agricultural water requirements will be based on unit water use by the various extents of predicted crop types; urban and recreational requirements on per capita water use values; fish and wildlife requirements on minimum stream flow needed or on water demands for wildlife areas; and industrial water requirements on measured water deliveries to various types and sizes of industries now existing. In forecasting future industrial development, water quality problems will be given full consideration.

Water resources will be determined from records of existing and former stream gaging stations and new stations established for this and other investigations of the department. The new stations will be generally located on streams which originate in the smaller watersheds for which runoff data are necessary, but for which no data have been available.

APPENDIX B

REPORTS ON RELATED INVESTIGATIONS AND OTHER REFERENCES

APPENDIX B

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APPENDIX C

LEGAL CONSIDERATIONS

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LEGAL CONSIDERATIONS

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APPENDIX C

LEGAL CONSIDERATIONS

There are set forth in the following paragraphs brief general statements with respect to the California law of water rights, to supplement, and to provide a background for information on water rights contained in Chapter II.

California Water Rights

All rights to water in California are usufructuary, that is, they consist only in rights to the beneficial use of water. The water itself is not susceptible of private ownership so long as it remains in its natural state prior to its being reduced to actual possession. A right to the use of water of a stream includes the right to the continued flow thereof to the owner's point of diversion or to riparian lands, without unlawful interference by others junior in right.

Riparian and appropriative water rights, and correlative rights to the use of ground water, are recognized in California. Of these, riparian and correlative rights are paramount until lost or impaired by grant, condemnation or prescription.

All water rights, both surface and underground, are subject to the doctrine of reasonable use expressed in Section 3 of Article 14 of the California Constitution which limits the right to the quantity of water reasonably required for beneficial use and which prohibits waste, unreasonable use, or unreasonable methods of use or diversion.

Riparian Rights

Riparian rights are part and parcel of riparian lands, i.e., land abutting upon a natural watercourse within the watershed. They do not authorize use of water on nonriparian land nor do they permit seasonal storage of water. They are not created by use, nor are they lost by nonuse. They extend to future reasonable requirements for beneficial use upon riparian land, although they do not prevent temporary appropriation by others of water not presently required upon such lands. Each riparian right is correlative with each and every other such right upon the watercourse in the particular watersheds and in the event of insufficient water for all, the available supply must be prorated, except that an upper riparian owner may take the whole supply if necessary for domestic use.

The riparian right attaching to a particular parcel of land is subject to appropriative rights established by diversions upon vacant public domain before the first valid steps were taken to acquire this parcel of land from the United States, whether diversion was made on the parcel or at points upstream or downstream. The riparian rights may be severed and lost in whole or part by grant or condemnation and cannot thereafter be restored. A parcel of land loses its riparian right when separated from contact with the stream by conveyance unless the right is reserved by the grantor. It cannot be transferred for use upon another parcel of land.

Appropriative Rights

The miners of the early gold seeking period established the doctrine of appropriative water rights in California. Their

procedure was based simply on beneficial use and required no recordation in establishing the right. The first procedure requiring recordation in perfecting an appropriative right was the Civil Code enactment of 1872. (Civil Code Sections 1410-1422) This procedure, modified several times, was in use until the Water Commission Act (California Statutes of 1913, Chapter 586) became effective on December 19, 1914.

The oldest of the procedures to perfect an appropriative right required simply that a diversion be made and the water be put to beneficial use. Beneficial use established the date of priority of the right.

The 1872 Civil Code procedure required that before a diversion of surface water could be made, a notice of intention describing the source of the water, the location of the proposed diversion, the amount to be diverted, the use and the place of use be posted at or near the place of proposed diversion. This notice was to be signed, witnessed, and a copy filed with the Recorder in the county in which the proposed diversion was located. The appropriative right thus initiated became perfected when the water was put to beneficial use, but the right related back to the time the notice was posted. While the 1872 Civil Code procedure was the first to require recordation, it was not an exclusive procedure in that an appropriative right could be perfected to the extent of beneficial use simply by diverting the water and making beneficial use of it.

The Water Commission Act, on the other hand, established an exclusive procedure for the appropriation of water. This enactment requires that a permit be obtained from the State of California before water can be appropriated. The procedure outlined by the Water Commission Act, as now codified in the Water Code, requires that an application to appropriate water be submitted to the State Water Rights Board. Upon the approval of the application, a permit is issued so that the applicant can construct the features necessary to put the water to beneficial use. When the project has been completed, an inspection of it is made and a license is issued, to the extent of beneficial use, provided the terms and conditions of the permit have been fulfilled.

Once an appropriative water right has been initiated, it must be diligently prosecuted to completion in order to maintain its date of priority. While water may not be appropriated for a distant future use, a reasonable amount of time is allowed to put the full amount of water to use within the original intent of the application to appropriate water.

A right to appropriate water is lost by abandonment or continuous nonuse. In the case of an appropriation initiated prior to 1914, the period of continuous nonuse is 5 years, while under the Water Commission Act, or the Water Code, the period of continuous nonuse is only 3 years. (Water Code Section 1241)

Ground Water Rights

The permit and license procedure established by the Water Commission Act applies only to streams and other bodies of

surface water and to subterranean streams flowing through known and definite channels. Percolating ground water is therefore excluded and rights to its use are governed by judicial decisions rather than by statute. Ground waters are presumed to be percolating in the absence of evidence to the contrary.

The owner of land overlying a ground water basin or stratum has, like the riparian owner, a paramount right to the reasonable beneficial use of the natural supply upon his overlying land, which right he holds in common with all other landowners similarly situated. Only surplus water in excess of reasonable requirements for beneficial use upon overlying lands is subject to appropriation for beneficial use upon other lands. Prescriptive rights to ground water may be acquired under the same circumstances as prescriptive rights to water of surface streams.

Where ground water and surface water are interconnected, one acting as a tributary to the other, both are treated as part of a common supply and users of water from either source are entitled to protection from substantial injury as a result of use by others of water from the other source. Thus, an owner of land riparian to a stream may have his right to the use of water protected against impairment by an appropriator of percolating ground water tributary to the stream and required for the maintenance and support of its flow. Likewise, where water from a stream percolates to a ground water basin or stratum, the owner of land overlying such ground water may be protected from an appropriation of water of the stream, if such use causes a substantial impairment of the ground water supply.

State Assistance

Under certain provisions of the Water Code, actions involving determinations of rights to the use of water brought in either state or federal courts may, at the court's discretion, be referred to the State Water Rights Board. Under the provisions of Water Code Section 2000, the court may appoint the baord to referee "any or all issues involved in the suit," or under Section 2001, it may limit the reference to "investigation of an report upon any or all physical facts involved." This reference procedure may be followed in suits involving either or both surface and ground waters.

A simplified procedure is available for preliminary determination of rights to the use of water of streams, lakes, and other bodies of water, but the method excludes the determination of rights to take water from an underground supply other than from a subterranean stream flowing through known and definite channels. Water Code Sections 2500 to 2900, inclusive, authorize the initiation of such a proceeding before the board. The board then makes an engineering investigation and report, holds hearings, and prepares an order of determination which is submitted to the court. After hearings, the court makes a final determination of the water rights.

Court actions which involve a determination of relative rights to the use of water of stream or stream system or ground water basin afford a basis for distribution of water after decree under watermaster service. Water users may secure the services of the Department of Water Resources under Water Code Sections 4000

to 4407, inclusive, in making distribution of the water to them according to their respective rights, as determined by the court.

Adjudication of Water Rights

There has been no major adjudication of water rights in the Russian River Hydrographic Unit. Consequently, neither the State Water Rights Board nor any of its predecessor agencies has been involved in a court reference, and state watermaster service has not been established.

Applications to appropriate water within the Russian River Hydrographic Unit, filed with the State since 1914 and active on July 11, 1962, are summarized in Table C-1. Those diversions, for which an application to appropriate water is filed with the State and which were found in this survey to be of significant size, have been assigned diversion numbers which are included in the table. The status of each application as to the granting of a permit or license is also shown in the table.

TABLE C-1
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
1029	7-26-18	Joseph Imwalle and Sons	7N/8W-22K1	Santa Rosa Creek	NE	SW	22	7N	8W	MD	5/16 cfs	May 1 - October 1	Irrigation	L-74
1205	3-7-19	Fred P. Alexander	—	Mark West Creek	NW	SW	29	8N	8W	MD	1-1/8 cfs	May 1 - October 1	Irrigation	L-86
1574	12-16-19	Earl B. Gaugler	—	Franz Creek	NE	NW	31	9N	7W	MD	0.26 cfs	June 1 - October 1	Irrigation	L-397
1665	2-10-20	Allan W. Kettlewell	9N/7W-31G1	Franz Creek	SW	NE	31	9N	7W	MD	0.15 cfs	May 1 - September 30	Irrigation	L-290
1983	8-26-20	Everett Cox	15N/12W-28L3	Russian River	NW	NW	28	15N	12W	MD	0.51 cfs	May 1 - July 1	Irrigation and Domestic	L-424
2723	1-16-22	Elsie Musco, Robert N. and Juliet S. Peterson	16N/12W-28F1	Russian River			28	16N	12W	MD	0.19 cfs	May 15 - September 15	Irrigation	L-566
2928	7-14-22	F. M. Brandt and Mary Patricia Brandt	—	Russian River	NW	NW	27	9N	7W	MD	0.06 cfs	May 15 - October 15	Irrigation	L-427
3291	3-12-23	Citizens Utilities Company of California	8N/10W-16R1	Tributary to Russian River	SE	SE	16	8N	10W	MD	0.017 cfs	January 1 - December 31	Domestic	L-528
3402	5-7-23	Mrs. Edson Witherell	—	Russian River	NE	SE	5	16N	12W	MD	0.07 cfs	May 1 - October 15	Irrigation	L-479
3421	5-16-23	E. W. Dutton	—	Russian River	NW SE	NW SW	33 28	15N 15N	12W 12W	MD MD	0.56 cfs	June 1 - September 15	Irrigation	L-588
3565	8-3-23	Jeanie W. Hawn	13N/11W-6Q1 13N/12W-1H2	Russian River	SE	SE	1	13N	12W	MD	0.42 cfs	May 1 - October 1	Irrigation	L-1356
3601	8-20-23	T. M. Evans	15N/12W-5J1	Russian River	NE	SE	5	15N	12W	MD	0.18 cfs	June 1 - August 15	Irrigation	L-492
3633	9-8-23	William S. Walters	—	Russian River	NE	SW	16	8N	9W	MD	0.69 cfs	May 1 - September 10	Irrigation	L-704
4307	11-7-24	William J. Johnson and Life Estate in name of Catherine Johnson	17N/12W-32R1	Redwood Valley Creek	SE	SE	32	17N	12W	MD	0.28 cfs	June 1 - September 30	Irrigation	L-683
4308	11-7-24	Louis F. Johnson and Life Estate in name of Catherine Johnson	14N/12W-10L1	Russian River	NE	SW	10	14N	12W	MD	0.43 cfs	June 1 - September 15	Irrigation	L-878
4428	1-24-25	Joe Machioli, Harlan Howard, Roy H. Breault, Belle A. Breault	17N/12W-32A1	Russian River	NE NE	NE SE	32 32	17N 17N	12W 12W	MD MD	0.45 cfs	May 15 - October 1	Irrigation	L-1492
4456	2-11-25	Ernest N. Vamos	—	Russian River	SE	NW	33	16N	12W	MD	0.19 cfs	July 1 - September 1	Irrigation	L-931
4612	6-1-25	C. H. Mickman and Violet Mickman	9N/9W-30M1	Mill Creek	NW	SW	30	9N	9W	MD	0.19 cfs	May 15 - September 1	Irrigation	L-780
4832	11-12-25	Agnes C. Thomas	15N/12W-16Q2	Russian River	NW	SE	16	15N	12W	MD	0.20 cfs	June 1 - August 31	Irrigation	L-1598
6464	10-21-27	Russel B. Strickland	17N/12W-32A2	Russian River	NE	NE	32	17N	12W	MD	0.19 cfs	April 1 - November 15	Irrigation	L-2299
6642	4-16-30	Edward N. and Thelma K. Sibbett	16N/12W-9M1 16N/12W-9R1 16N/12W-9N2	Forsythe Creek	NW	NW	16	16N	12W	MD	1.0 cfs	May 1 - October 31	Irrigation	L-1213
6805	9-26-30	W. J. and Anna E. Maloney	—	Redwood Valley Creek	SW	NE	32	17N	12W	MD	0.1 cfs	May 1 - September 30	Irrigation	L-2231
6854	12-26-31	Eloise T. Gannon and Catherine T. Golden	15N/12W-33Q1	Russian River	SW	SE	33	15N	12W	MD	0.19 cfs	May 15 - July 31	Irrigation	L-1772
6855	12-26-31	Martin P. Stipp	14N/12W-4B1	Russian River	SW	NE	4	14N	12W	MD	0.6 cfs	May 15 - August 15	Irrigation	L-1497

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TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
6926	3-28-31	Albert P. Kogler	--	Porter Creek	NW	SE	14	8N	7W	MD	4000 gpd	October 1 - May 1	Domestic	L-1473
7006	7-14-31	Hacienda Water Company	8N/10W-26A1 8N/10W-26J1	Tributary to Russian River	SW NE NE	NE NE SE	26 26 26	8N 8N 8N	10W 10W 10W	MD MD MD	0.037 cfs 0.07 cfs 0.24 cfs	January 1 - December 31	Irrigation and Domestic	P-3789
8974	5-17-37	Leslie M. and Florence N. Floch	10N/9W-18C1	Russian River	NW	NW	18	10N	9W	MD	0.5 cfs	May 1 - November 1	Irrigation	L-2952
9774	11-27-39	Jack X. Branstetter	--	Spring Tributary to St. Elmo Creek	NW	NE	30	8N	11W	MD	50 gpd	January 1 - December 31	Domestic	L-3130
9775	11-27-39	Masonic Homes of California	--	Spring Tributary to St. Elmo Creek	NW	NE	30	8N	11W	MD	50 gpd	January 1 - December 31	Domestic	L-3131
9832	2-20-40	Howard H. Sweezey and Doris L. Sweezey	16N/12W-5A1	Russian River	SE	NE	5	16N	12W	MD	0.5 cfs	May 1 - October 30	Irrigation and Stockwatering	L-3104
9891	5-8-40	Charles H. and John Foster Guntley	16N/11W-5B1	East Fork of Russian River	NW	NE	5	16N	11W	MD	1.1 cfs	May 1 - November 1	Irrigation	L-3456
9992	8-28-40	Theodore J. and Elizabeth G. Jocz	--	Tributary to Russian River	NW	NE	26	8N	10W	MD	300 gpd	January 1 - December 31	Domestic	L-2626
10733	11-18-43	(California Water Service Company, City of Petaluma	6N/7W-26F1	Copeland Creek	SE	NW	26	6N	7W	MD	1.0 cfs	January 1 - December 31	Municipal	L-5442
10795	4-7-44	Bonamar Farms and Frederick H. MacMurray	8N/9W-29B2	Russian River	NE	NW	29	8N	9W	MD	1.0 cfs	May 1 - October 31	Irrigation	L-3697
10915	11-15-44	Bert Garner	6N/9W-5M1 6N/9W-5N1	Tributary to Atascadero Creek Tributary to Atascadero Creek	NW SW	SW SW	5 5	6N 6N	9W 9W	MD MD	0.19 cfs	May 1 - October 15	Irrigation and Stockwatering	L-3004
10976	2-8-45	Listo Pencil Corporation	8N/9W-20Q1	Russian River	SW	SE	20	8N	9W	MD	0.15 cfs	June 1 - July 31	Irrigation	L-3208
11082	6-25-45	Albert Helwig	7N/9W-28M1	Atascadero Creek	NW	SW	28	7N	9W	MD	0.58 cfs	April 15 - October 15	Irrigation	L-5647
11315	3-13-46	George Lopizich	6N/9W-5L1	West Fork of Atascadero Creek	NE	SW	5	6N	9W	MD	60,000 gpd	May 1 - October 16	Irrigation	L-3102
11327	3-25-46	Vad Jelton	9N/9W-31C1	Mill Creek	NW NE	NE NE	31 31	9N 9N	9W 9W	MD MD	10,000 gpd 1,300 gpd	May 1 - October 31 November 1 - April 30	Domestic and Stockwatering	L-3344
11383	4-23-46	Manuel Alves and Mary G. Alves	17N/11W-17D1	East Fork of Russian River	NW	NW	17	17N	11W	MD	1.82 cfs	May 1 - November 1	Irrigation	L-3225
11409	5-29-46	Ralph J. or C. M. Smith	7N/9W-7K2	Green Valley Creek	NW	SE	7	7N	9W	MD	0.04 cfs	April 15 - September 15	Irrigation and Stockwatering	L-5097
11566	9-25-46	Adolph Trappe	6N/10W-12J1 6N/10W-12J2	Tributary to Salmon Creek	NE	SE	12	6N	10W	MD	0.05 cfs	May 1 - November 1	Irrigation	L-3230
11769	3-11-47	Finley Ranch and Land Company	7N/9W-26L1	Laguna de Salita Rosa	SW	SE	26	7N	9W	MD	0.65 cfs	April 15 - November 1	Irrigation	L-6356
11846	4-28-47	Golden Rule Church Association	11N/10W-6C1	Russian River	NE	NW	6	11N	10W	MD	0.35 cfs	May 1 - September 30	Irrigation	L-3411
11859	5-7-47	F. A. Gleason	--	Tributary to Weeks Creek	Lot	17		33	8N	7W	MD	6,300 gpd	January 1 - December 31	Domestic and Stockwatering	L-3394
11896	5-26-47	Peter Pelm and Feodesia Pelm	8N/7W-18E1	Mark West Creek	SE	NW	18	8N	7W	MD	0.01 cfs	May 1 - August 1	Domestic, Stockwatering and Irrigation	L-4693
11933	6-10-47	Leland S. Murphy	7N/11W-11F1	Russian River	NW	SE	11	7N	11W	MD	0.33 cfs	May 1 - October 15	Irrigation	L-4424
12034	8-11-47	George F. Herrman and Magdelena Hermann	--	Tributary to Salmon Creek	NE	NW	18	6N	9W	MD	4,000 gpd	April 1 - November 1	Domestic and Irrigation	L-4667

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APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11,1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
12100	9-22-47	D. E. Carithers	6N/7W-6J1	Tributary to Laguna de Santa Rosa	NE	SE	6	6N	7W	MD	12 af	October 1 - May 31	Domestic and Irrigation	P-7116
12135	10-21-47	Annabel Lagomarsino	7N/7W-5K1	Tributary to Ducker Creek	NW	SE	5	7N	7W	MD	11.1 af	December 1 - April 1	Stockwatering, Fire Protection and Irrigation	L-3710
12193	12-11-47	Helen P. Vidale	6N/10W-12P1	North Salmon Creek	NE	SW	12	6N	10W	MD	0.03 cfs	May 1 - October 15	Irrigation	L-5168
12202	12-17-47	Emma E. Baker	7N/9W-35B1	Laguna de Santa Rosa	SW	SE	26	7N	9W	MD	0.5 cfs	April 15 - November 15	Irrigation	L-3556
12210	12-24-47	Dr. Elbert M. and Georgia S. Bell	--	Tributary to Mark West Creek	SE	NW	26	8N	7W	MD	2,000 gpd	January 1 - December 31	Domestic	L-3532
12232	1-8-48	Eleanor M. Scott and Mildred M. Chambers	14N/12W-28M1	McNabb Creek	SW	SW	28	14N	12W	MD	96.5 af	November 1 - April 1	Irrigation	L-3646
12330	2-16-48	N. O. Lindberg	7N/9W-30A1	Purrington Creek	SE	SE	19	7N	9W	MD	9.25 cfs	May 15 - October 1	Fire Protection and Irrigation	L-3880
12336	2-17-48	Arthur N. and Ruth Loring Folger	8N/9W-6B1	Felta Creek	NE	NW	6	8N	9W	MD	9,000 gpd	May 1 - October 31	Irrigation	L-5182
12452	3-29-48	Bessie M. and Dr. Murray L. Ballard	8N/9W-32D1	Russian River	Lot	3	32	8N	9W	MD	0.2 cfs	June 1 - September 1	Irrigation	L-3647
12463	4-23-48	Annabel Lagomarsino	6N/9W-12A1	Laguna de Santa Rosa	NW	NW	7	6N	8W	MD	0.33 cfs	April 15 - November 1	Irrigation	L-3650
12509	5-13-48	George P. and Mildred Freund	6N/10W-12F1	Tributary to Salmon Creek	SE	NW	12	6N	10W	MD	0.055 cfs	May 1 - September 30	Irrigation	L-3684
12510	5-14-48	Russell O. Denner and Stanley M. Denner	7N/9W-10B1	Laguna de Santa Rosa	SW	NE	3	7N	9W	MD	0.33 cfs	June 1 - October 15	Stockwatering and Irrigation	L-5461
12525	5-27-48	LaFranchi Brothers	9N/8W-3F1	Maacama Creek	SE	NW	3	9N	8W	MD	0.06 cfs	April 1 - September 30	Irrigation	L-3612
12744	10-13-48	J. J. Canotta	6N/9W-12B1	Tributary to Laguna de Santa Rosa	NW	NE	12	6N	9W	MD	0.06 cfs	May 1 - October 1	Irrigation	L-3651
12773	11-3-48	A. D. Schader	--	Tributary to Porter Creek	SE	SE	7	8N	7W	MD	1,200 gpd	January 1 - December 31	Recreational	L-4308
12850	12-6-48	J. E. and Ruth Bowen	9N/8W-17N1	Maacama Creek	SW	SW	17	9N	8W	MD	0.13 cfs	March 1 - December 1	Irrigation	L-5199
12877	12-23-48	Edward S. and Edna S. Townsend	7N/9W-7K1	Tributary to Green Valley Creek	NW	SE	7	7N	9W	MD	0.06 cfs	June 1 - October 1	Irrigation	L-5736
12917	1-28-49	California Water Commission	--	Dry Creek			5	10N	11W	MD	330 cfs	January 1 - December 31	Irrigation, Domestic and Flood Control	Pending
12918	1-28-49	California Water Commission	--	Dry Creek			5	10N	11W	MD	330 cfs	January 1 - December 31	Municipal	Pending
12919A	1-28-49	Sonoma County Flood Control and	--	East Fork of Russian River	SW	SW	34	16N	12W	MD	212 cfs	January 1 - December 31	Municipal, Industrial and Recreation	P-12947
12920	1-28-49	California Water Commission	--	East Fork of Russian River	Sections 28 and 34			16N	12W	MD	550 cfs	January 1 - December 31	Irrigation, Domestic and Flood Control	Pending
12931	2-11-49	Ira F. and Edith K. Brown	8N/8W-29K1	Mark West Creek	NW	SE	29	8N	8W	MD	0.08 cfs	August 1 - September 30	Irrigation	L-5949
12934	2-16-49	Irving M. Stump	--	Tributary to Estero Americano	NW	SW	33	6N	9W	MD	12,500 gpd	January 1 - December 31	Industrial	L-3648
12951	2-24-49	Phillip A. Kennedy	11N/11W-36J1	Icaria Creek	NW	SE	36	11N	11W	MD	28 af	March 1 - July 31	Irrigation and Stockwatering	L-5543
12958	3-3-49	Agnes C. Thomas	15N/12W-16D2	Russian River	SW NE SW	NW SE SE	16 17 16	15N 15N 15N	12W 12W 12W	MD MD MD	1.5 cfs	May 1 - September 30	Irrigation	L-4238
13009	3-30-49	Dutton, Bittenbender, Norgaard, McPherson	15N/12W-33L1	Russian River	Lot	70	33	15N	12W	MD	0.52 cfs	May 15 - October 1	Irrigation	L-4143

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(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
13030	4-18-49	Wayne L. Crawford and Clifford W. Crawford	14N/12W-36Q1	Russian River	South	1/2	26	14N	12W	MD	0.9 cfs	May 1 - October 15	Irrigation	L-5408
13052	4-25-49	Guy L. Mann	6N/10W-13K1	Salmon Creek	NW	SE	13	6N	10W	MD	0.11 cfs	April 15 - October 15	Irrigation	L-4065
13057	4-27-49	Ruel R. Stickney	15N/12W-16E1	Russian River	SE	NE	17	15N	12W	MD	0.14 cfs	May 15 -	Irrigation	L-3844
13058	4-27-49	Ruth S. Bolden		Russian River	SE	NE	17	15N	12W	MD	0.14 cfs	October 15	"	L-3845
13059	4-27-49	Helen S. Rea		Russian River	SE	NW	17	15N	12W	MD	0.14 cfs	"	"	L-3846
13062	4-29-49	N. C. Frost	--	Russian River	SE	NW	9	8N	9W	MD	2.0 cfs	May 1 - October 1	Irrigation	P-7869
13076	5-9-49	George Bonacich, Paul Nariani, Louis F. Bonacich	--	Russian River	NE	NW	29	8N	9W	MD	0.27 cfs	May 1 - August 1	Irrigation	L-3885
13097	5-17-49	River Ranch Company	--	Russian River	NW	SW	15	8N	9W	MD	1.5 cfs	May 1 - September 15	Irrigation	L-4457
13098	5-17-49	Estate of John Hopkins and Kathleen Hopkins	8N/9W-21H1	Russian River	SE	NE	21	8N	9W	MD	0.37 cfs	May 1 - November 1	Irrigation	L-4070
13105	5-19-49	Isabel R. Wehn	--	Russian River	SW	SE	20	8N	9W	MD	0.06 cfs	June 15 - August 15	Irrigation	L-3869
					NE	NW	28	8N	9W	MD				
13126	6-1-49	Peterson Farms	8N/9W-33L1	Russian River	NW	NE	33	10N	9W	MD	0.46 cfs	May 1 -	Irrigation	L-4107
			8N/9W-32J1	Russian River	NE	NE	33	10N	9W	MD		September 15		
13135	6-6-49	Cecil S. and Luella D. Litton	8N/9W-21L1	Russian River	NE	SW	21	8N	9W	MD	0.31 cfs	May 1 - September 1	Irrigation	L-6124
13151	6-13-49	Don Jackson	--	Russian River	NE	NE	21	8N	9W	MD	0.32 cfs	May 1 - September 15	Irrigation	L-3735
13158	6-16-49	Warren and Camille Richardson	8N/9W-16N2	Russian River	SE	NE	16	8N	9W	MD	1.0 cfs	May 1 - November 1	Irrigation	L-4844
13161	6-20-49	Redwood Empire Area Council of Camp Fire Girls, Inc.	--	Mhacama Creek	SE	NW	9	9N	8W	MD	5,000 gpd	June 1 - August 30	Recreational and Domestic	L-4223
					SE	NW	9	9N	8W	MD				
13162	6-20-49	L. N. and Jennie L. Meredith	8N/9W-31N1	Russian River	SE	NE	31	8N	9W	MD	0.18 cfs	June 1 - September 15	Irrigation	L-3814
13163	6-20-49	Veronica Pauline Cumming	--	Mark West Creek	SW	SE	28	8N	7W	MD	3,000 gpd	June 1 - September 1	Irrigation and Stockwatering	L-3584
13173	6-24-49	Peter Bordessa	--	Salmon Creek	SE	SW	21	6N	10W	MD	500 gpd	January 1 - December 31	Domestic, Stockwatering and Fire Protection	L-3592
13179	6-28-49	E. D. Thompson	8N/9W-16A2	Russian River	NW	NW	15	8N	9W	MD	0.41 cfs	May 1 - November 1	Irrigation	L-3865
13182	6-29-49	James and Geneva Peterson, Wallace and Marion Johnson	9N/8W-18G1	Russian River	NW	NE	18	9N	8W	MD	0.28 cfs	April 15 - November 1	Irrigation and Stockwatering	L-4453
13217	7-8-49	City of Healdsburg	--	Russian River	SE	SE	21	9N	9W	MD	3.0 cfs	January 1 - December 31	Municipal	P-7847
13221	7-8-49	N. L. Walker and Gilbert Walker	6N/7W-3J1	Tributary to Matanzas Creek	SE	NE	3	6N	7W	MD	35 afa	November 1 - May 1	Irrigation and Stockwatering	L-4067
13256	7-25-49	Jack W. Dei	7N/9W-35B2	Laguna de Santa Rosa	NW	NE	35	7N	9W	MD	0.5 cfs	May 15 - October 15	Irrigation	L-6104
13261	7-26-49	Cecil S. and Luella D. Litton	--	Russian River	SW	SW	21	8N	9W	MD	0.12 cfs	May 1 - December 1	Irrigation	L-6125
13267	7-28-49	Preston Ranch Company	8N/9W-3P1	Russian River	NE	NW	10	8N	9W	MD	0.43 cfs	May 1 - November 1	Irrigation	L-3956
13268	7-28-49	Adelma W. Fenton	8N/9W-16Q1	Russian River	SW	SE	16	8N	9W	MD	0.18 cfs	May 1 - November 1	Irrigation	L-4867
			8N/9W-21B1	Russian River	NW	NE	21	8N	9W	MD				
13269	7-28-49	Joe Rochioli	8N/9W-32L1	Mark West Creek	NE	SW	32	8N	9W	MD	0.06 cfs	May 1 - September 1	Irrigation	L-4592

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APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11,1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
13270	7-29-49	Minnie Scott, James E. and Chaplin A. Williams	15N/12W-28G1	Russian River	SE	NW	28	15N	12W	MD	0.45 cfs	June 1 - October 1	Irrigation	L-3789
13277	8-4-49	Elsie K. Shepard	(3 diversions)	Russian River	SW	SW	8	11N	10W	MD	0.59 cfs	April 15 - October 15	Irrigation	L-5821
13281	8-8-49	Wallace J. S. Johnson and Marion V. Johnson	9N/8W-7N1 9N/8W-18C1	Russian River Russian River	SE NE	SW NW	7 18	9N 9N	8W 8W	MD MD	1.2 cfs	May 15 - October 15	Irrigation	L-4450
13287	8-9-49	Department of Mental Hygiene, Mendocino State Hospital	15N/12W-28L1	Russian River	NE SE	SW SW	28 28	15N 15N	12W 12W	MD MD	1.3 cfs	March 15 - October 15	Irrigation	P-7794
13288	8-9-49	Department of Mental Hygiene, Mendocino State Hospital	15N/12W-28L1	Russian River	NE SE	SW SW	28 28	15N 15N	12W 12W	MD MD	3.0 cfs	March 15 - October 15	Irrigation	P-7795
13289	8-9-49	Robert G. Bogner and Arle Mae Bogner	(2 diversions)	Russian River	NW	NE	17	11N	10W	MD	0.19 cfs	May 1 - September 1	Irrigation	L-5377
13301	8-17-49	Eleanor G. Davis		Tributary to Laguna de Santa Rosa	NE	SW	22	7N	9W	MD	0.1 cfs	April 15 - October 15	Irrigation	L-3809
13317	8-29-49	George and Dina Casini	7N/11W-11N1	Russian River	SW	SW	11	7N	11W	MD	0.24 cfs	April 15 - October 15	Irrigation	L-6305
13330	9-6-49	R. Wendel Dairy	7N/8W-18N1	Santa Rosa Creek	SE	SE	13	7N	9W	MD	0.09 cfs	April 15 - June 15	Irrigation	L-5473
13331	9-6-49	Paul E. Rued and Walter J. Rued	9N/9W-12B1	Russian River	NW SE	NE NE	12 12	9N 9N	9W 9W	MD MD	0.40 cfs 0.55 cfs	May 1 - November 1	Irrigation	L-3795
13359	9-20-49	Mohn, Don E.	9N/8W-7D1	Russian River	NW	NW	7	9N	8W	MD	0.9 cfs	April 1 - December 1	Irrigation	P-7892
13376	10-3-49	Al and Florence Gilardoni	8N/8W-30Q1 8N/8W-31C1	Mark West Creek	SW NE	SE NW	30 31	8N 8N	8W 8W	MD MD	0.37 cfs	April 15 - October 15	Irrigation	L-3831
13391	10-7-49	Henry and Tilda Dick	9N/9W-1P1	Russian River	SE	SW	1	9N	9W	MD	0.26 cfs	May 1 - September 1	Irrigation	L-5055
13393	10-11-49	Johnie C. and Phylis M. Rodgers (Sonoma Ranch Company)	8N/9W-32L2	Mark West Creek Russian River		SW SE NW	32 32 32	8N 8N 8N	9W 9W 9W	MD MD MD	0.77 cfs	May 1 - September 1	Irrigation	L-4730
13402	10-13-49	Meadow Brook Ranch Company	—	Russian River	NW	NW	25	14N	12W	MD	0.88 cfs	April 15 - October 31	Irrigation	L-5161
13406	10-20-49	J. Paul and Emily D. Thompson	9N/9W-13N1	Russian River	NE NE	SE NW	14 24	9N 9N	9W 9W	MD MD	0.65 cfs 0.35 cfs	April 1 - November 15	Irrigation	L-4393
13453	11-9-49	Preston Ranch Company	8N/9W-3P1 8N/9W-9N1	Russian River Russian River	SE NW	SW NW	3 10	8N 8N	9W 9W	MD MD	0.18 cfs 0.18 cfs	May 1 - December 1	Irrigation	L-6095
13468	11-17-49	Northern California Conference Association of Seventh Day Adventists	9N/9W-14D1 9N/9W-15G1	Russian River Russian River	NW SE	NW NW	14 15	9N 9N	9W 9W	MD MD	0.13 cfs 0.14 cfs	April 1 - December 1	Irrigation	P-7933
13474	11-21-49	William D. Dana	—	Russian River	NW SW	SE SE	28 28	10N 10N	9W 9W	MD MD	1.38 cfs 1.38 cfs	April 1 - December 1	Irrigation	P-8059
13494	12-2-49	Phil Ponsjo	--	Russian River	NE	NE	4	8N	9W	MD	0.075 cfs	May 1 - December 1	Irrigation	L-5138
13506	12-12-49	Louise K. Nelson	7N/9W-35B3	Laguna de Santa Rosa	NW	NE	35	7N	9W	MD	0.13 cfs	May 1 - October 15	Domestic and Irrigation	L-4162
13507	12-12-49	Louise M. Blanchard	--	Salmon Creek	SW	SE	34	7N	10W	MD	2,140 gpd	January 1 - December 31	Domestic	L-5526
13527	1-3-50	G. Wm. Kretsinger	—	Los Alamos Creek	SE	SW	10	7N	7W	MD	8,500 gpd	April 1 - October 31	Irrigation and Stockwatering	L-4102
13528	1-3-50	Clarence J. Cox	--	Russian River	NE	SE	4	14N	12W	MD	0.94 cfs	May 1 - November 1	Irrigation	L-5920
13529	1-9-50	Otto M. Hughes	17N/11W-6E3	(Imported)	SW	NW	6	17N	11W	MD	0.26 cfs	April 1 - October 31	Irrigation	L-5295

For explanation of symbols, see last page of table

TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
13533	1-9-50	Elmer F. Axell	9N/8W-20E1	Manzana Creek	SE	NW	20	9N	8W	MD	0.28 cfs	April 15 - October 15	Irrigation	L-5674
13539	1-12-50	Theo. S. and Anna E. Stashak	7N/7W-9N1	Tributary to Santa Rosa Creek	SE	NE	9	7N	7W	MD	15 af	November 1 - June 1	Irrigation, Stockwatering and Fish Culture	L-3801
13557	1-31-50	Potter Valley Irrigation District	17N/11W-6E1 17N/11W-6E2	(Imported)	SW	NW	6	17N	11W	MD	50 cfs	April 1 - November 15	Irrigation and Stockwatering	L-5246
13578	2-10-50	V. M. Smith	10N/7W-20K1	Briggs Creek	NE	SW	20	10N	7W	MD	0.67 cfs	January 1 - December 31	Fish Culture and Fire Protection	L-4584
13579	2-14-50	Northern California Conference Association of Seventh Day Adventists		Russian River	NW	NW	15	9N	9W	MD	0.25 cfs	April 1 - December 1	Irrigation	P-8122
13586	2-17-50	Stanley C. Bengston	6N/8W-7K1	Laguna de Santa Rosa	NW	SE	7	6N	8W	MD	0.11 cfs	May 1 - October 1	Irrigation and Stockwatering	L-4063
13633	3-15-50	F. W. Hellman	13N/12W-15K1	Feliz Creek	SW	NE	15	13N	12W	MD	0.44 cfs	May 1 - October 31	Irrigation	L-3895
13639	3-20-50	Clem Auradoli	9N/9W-7F1	Dry Creek	SE	SW	7	9N	9W	MD	0.35 cfs	April 1 - December 1	Irrigation	L-4722
13661	3-30-50	Perley C. Crawford	13N/12W-1B1	Russian River	NW	NE	1	13N	12W	MD	0.625 cfs	May 1 - November 1	Irrigation	L-3923
13666	3-31-50	Irving N. and Lona O. Bliss	13N/11W-21E1	McDowell Creek	SW	NW	21	13N	11W	MD	0.1 cfs	May 1 - August 1	Irrigation	L-6039
13674	4-6-50	F. Bricarelli and Hollow Tree Lumber Company	15N/13W-12A1	Ackerman Creek	NE	NE	12	15N	13W	MD	0.22 cfs	January 1 - December 31	Domestic, Stockwatering, Industrial and Fire Protection	L-3882
13684	4-11-50	F. J. and Nona M. Neagarty	8N/4W-21F1	Russian River	SE	NW	21	8N	9W	MD	0.32 cfs	May 1 - December 1	Irrigation	L-4729
13695	4-19-50	Gilbert Foote	9N/7W-7F1	Foote Creek	NE	NW	7	9N	7W	MD	150 af	November 1 - June 1	Irrigation	L-4316
13696	4-19-50	L. K. and E. Land	7N/9W-16A1 7N/9W-16A2	Tributary to Laguna de Santa Rosa	NE	NE	16	7N	9W	MD	0.03 cfs	April 15 - October 15	Irrigation	L-3818
13706	4-26-50	Ukiah Union High School District	—	East Fork Russian River	NE	NW	20	17N	11W	MD	0.025	April 1 - November 1	Irrigation	L-4045
13716	5-2-50	Douglas and Josephine T. Clegg	9N/7W-17L1	Tributary to Franz Creek	SE	SW	17	9N	7W	MD	50 af	November 1 - June 1	Irrigation, Stockwatering, Domestic, Recreational and Fish Culture	L-5831
13729	5-10-50	McCutchan Ranches	--	Russian River	SE	SE	34	10N	9W	MD	0.3 cfs	May 15 - November 1	Irrigation	L-4930
13749	5-22-50	C. O., Frances, and C. R. Fairbairn	13N/11W-19N1	Russian River	SW	SW	20	13N	11W	MD	0.24 cfs	May 1 - November 1	Irrigation	L-5895
13753	5-24-50	Vincenzo and Mary Milone	13N/11W-30J1	Russian River	NE	SE	29	13N	11W	MD	0.22 cfs	May 1 - October 15	Irrigation	L-3851
13755	5-24-50	Achille, John, Robert and Charles Rosetti	13N/11W-19A1	Russian River	SE NW	NE NW	19 29	13N 13N	11W 11W	MD MD	0.03 cfs 0.23 cfs	May 1 - October 15	Irrigation	L-3855
13758	5-25-50	Harlan S. Remmel	10N/9W-18C2	Russian River	NE	NW	18	10N	9W	MD	0.125 cfs	May 1 - November 1	Irrigation	L-4457
13784	6-13-50	Hubert A. Ballard	8N/9W-29P1	Russian River	NE	SW	29	8N	9W	MD	0.5 cfs	January 1 - December 31	Irrigation and Domestic	P-8527
13786	6-13-50	Arthur C. Iverson	6N/8W-31E1	Estero Americano	SW	NW	31	6N	8W	MD	0.01 cfs	April 15 - October 15	Irrigation	L-4359
13789	6-14-50	Ruth P. Seeman	--	Russian River	SW	NW	35	10N	9W	MD	0.12 cfs	May 1 - November 1	Irrigation	L-4514
13810	6-22-50	6 Acre Water Company	—	Russian River	NE	NE	19	11N	10W	MD	0.03 cfs	January 1 - December 31	Domestic	L-6530

For explanation of symbols, see last page of table.

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TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
13811	6-22-50	J. A. Lile	—	Russian River	NE NW	NE NW	19 20	11N 11N	10W 10W	MD MD	0.1 cfs 0.225 cfs	April 1 - October 1	Irrigation	L-4157
13831	7-5-50	Floyd Beffa	—	Russian River	NW	SW	27	10N	9W	MD	0.11 cfs	April 1 - November 1	Irrigation	L-3857
13832	7-5-50	Harlan Remmel	—	Russian River	NW SE	SE SE	18 18	10N 10N	9W 9W	MD MD	0.066 cfs	May 1 - November 1	Irrigation	L-4458
13861	7-24-50	S. V. Dragoo	—	Weeks Creek	NE	SE	29	8N	7W	MD	1,875 gpd	January 1 - December 31	Stockwatering	L-4485
13862	7-25-50	E. A. and Charlotte Lile	—	Russian River	NE	NE	19	11N	10W	MD	0.12 cfs	April 1 - November 1	Irrigation	L-4158
13863	7-25-50	Clifford I. Lile	—	Russian River	NW	NW	20	11N	10W	MD	0.23 cfs	April 15 - October 15	Irrigation	L-4159
13864	7-25-50	Lindroth Timber Products	—	Russian River	SE	SE	18	11N	10W	MD	2,500 gpd 1.5 af/year	January 1 - December 31	Fire Protection	L-4806
13874	7-31-50	Arnold V. and Odile W. Rasmussen	9N/8W-19J2	Russian River	NE	SE	19	9N	8W	MD	0.71 cfs	April 15 - October 15	Irrigation and Stockwatering	L-5285
13890	8-9-50	Carrol M., Elinor N., William C., and Norma Wallace	—	Dry Creek	SE	NE	12	9N	8W	MD	0.15 cfs	April 1 - November 1	Irrigation	L-4739
13914	8-23-50	M. C. and Jean Witbro	10N/10W-35M1	Dry Creek	SW	SW	35	10N	10W	MD	0.14 cfs	May 1 - August 1	Irrigation	L-4391
13932	9-5-50	Giannecchini Brothers	—	Russian River	NW	SE	28	11N	10W	MD	0.18 cfs	April 1 - November 1	Irrigation	L-5402
13933	9-5-50	Otto and Katherine Michalek	—	Russian River	SE	SW	17	10N	9W	MD	1.0 cfs	April 1 - November 1	Irrigation	L-4739
13945	9-11-50	Allied Grape Growers, Rockins Smith and Zamsi	—	Russian River	NW SW	NE SE	19 18	10N 10N	9W 9W	MD MD	0.52 cfs 0.83 cfs	July 1 - November 1	Industrial, Domestic, Fire Protection	L-4980
13958	9-21-50	Joseph and William Bottasso	8N/9W-1K1 8N/9W-1Q1	Tributary to Windsor Creek Windsor Creek	NW SW	SE SE	1 1	8N 8N	9W 9W	MD MD	12 af 0.07 cfs	October 15 - April 15	Irrigation	L-5335
13967	9-27-50	Clarence E. and Nancy R. Wright	9N/8W-33M1	Tributary to Brooks Creek	NW	SW	33	9N	8W	MD	28 af	November 1 - April 15	Irrigation, Stockwatering and Recreational	L-5356
13973	10-2-50	P. Bricarelli	15N/12W-16E2	Russian River	SE	NE	17	15N	12W	MD	0.375 cfs	May 1 - November 1	Irrigation	L-4321
13974	10-2-50	Grape Factors, Inc.	—	Russian River	SE	NE	17	15N	12W	MD	0.8 cfs	September 1 - November 30	Industrial	L-3870
13975	10-2-50	Beatrice C. Armstrong	—	Tributary to South Fork Matanzas Creek	NW	SW	14	6N	7W	MD	0.5 af	October 15 - April 15	Domestic and Recreational	L-6272
13984	10-9-50	N. W. Waltellspiel	—	Russian River	SW	SE	18	10N	9W	MD	0.35 cfs	May 15 - November 15	Irrigation	L-4153
13985	10-9-50	Harry P. Meyer	—	Russian River	NW	NE	28	10N	9W	MD	0.22 cfs	May 15 - November 15	Irrigation	L-4154
13987	10-9-50	W. B. Caldwell	—	Russian River	SE	NE	18	11N	10W	MD	0.035 cfs	April 1 - December 1	Irrigation	L-4489
13988	10-9-50	Thomas F. and Barbara L.	—	Dry Creek	NW	SW	1	9N	10W	MD	0.16 cfs	May 1 - November 1	Irrigation	L-4491
13989	10-9-50	Walter, Clarence and Evahlia Foppiano	9N/9W-14C1	Russian River	NE	NW	14	9N	9W	MD	0.38 cfs	April 1 - November 1	Irrigation	L-4748
14030	11-3-50	Estate of Mario Nervo	—	Russian River	SW NW	NW NW	28 28	10N 10N	9W 9W	MD MD	.25 cfs .875 cfs	May 1 - December 1	Irrigation	P-8415
14033	11-8-50	C. Proschold and Margaret A. Drake	10N/9W-28G1	Russian River	NE SW NW	SW SE NW	21 21 28	10N 10N 10N	9W 9W 9W	MD MD MD	0.96 cfs	April 15 - October 15	Irrigation	L-5805

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APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
14034	11-8-50	Clifford L. and Virginia R. Cake	—	Russian River	SE	SE	20	10N	9W	MD	0.18 cfs	May 1 - November 1	Irrigation	L-4538
14040	11-10-50	Ed Thompson	—	Dry Creek	SE	SE	12	10N	12W	MD	0.64 cfs	May 1 - December 1	Irrigation and Stockwatering	L-4754
14043	11-13-50	Grace E. Dickson and Robert Hartsook	10N/10W-22L1	Dry Creek	SE	NE	21	10N	10W	MD	0.42 cfs	April 1 - November 1	Irrigation	L-4498
14044	11-13 50	Byron L. Lampson	—	Russian River	SW	NW	20	10N	9W	MD	0.31 cfs	April 1 - November 1	Irrigation	L-4482
14045	11-13-50	South Cloverdale Community Water Group	--	Russian River	NW	NW	20	11N	10W	MD	0.028 cfs	January 1 - December 31	Domestic	L-5767
14047	11-14-50	Fred W. and Pearl Rotlisberger	--	Russian River	NE	SE	12	9N	9W	MD	0.17 cfs	April 1 - November 1	Irrigation	L-4733
14048	11-14-50	Estate of Helen N. Wasson	--	Russian River	NE	SW	35	10N	9W	MD	0.17 cfs	May 1 - November 1	Irrigation	L-5174
14049	11-14-50	Fred N. and Ruby Wasson	--	Russian River	NE	NE	28	10N	9W	MD	0.36 cfs	April 1 - December 1	Irrigation	L-4483
14050	11-14-50	Harry Hill, Jr., and Ann M. Hill	--	Russian River	SW	NE	33	9N	9W	MD	0.1 cfs	May 1 - October 31	Irrigation	L-5625
14051	11-14-50	A. N. and Zelda Cadd	--	Russian River	SE NE	NE NE	28 28	10N 10N	9W 9W	MD MD	0.27 cfs	April 1 - December 1	Irrigation and Stockwatering	L-4843
14054	11-14-50	Bernard and Katherine Steindorf	--	Dry Creek	NE	SE	27	10N	10W	MD	0.313 cfs	April 1 - December 1	Irrigation	P-8478
14055	11-14-50	Paul and Emma LeBaron	9N/10W-2G1	Dry Creek	SE NW	SW NE	35 2	10N 9N	10W 10W	MD MD	0.33 cfs 0.26 cfs	April 1 - November 1	Irrigation	L-4497
14056	11-14-50	Ralston Allen	--	Dry Creek	SW NE	SW NW	26 35	10N 10N	10W 10W	MD MD	0.1 cfs 0.25 cfs	May 1 - October 15	Irrigation	L-3871
14061	11-20-50	Frank P. Grace Company	--	Russian River	NE	NW	4	8N	9W	MD	0.33 cfs	May 1 - October 15	Irrigation	L-5724
14064	11-22-50	Lorraine McPherson	12N/11W-22H1	Dry Creek	NW	NE	27	10N	10W	MD	0.2 cfs	April 1 - November 1	Irrigation	L-5177
14065	11-22-50	Lucille A. Clark	--	Russian River	NE SW	SW SE	35	10N	9W	MD	1.5 cfs	April 1 - December 1	Irrigation	P-8590
14066	11-22-50	Harold F. and A. Marie Phillips	--	Dry Creek	NW	SW	26	10N	10W	MD	0.13 cfs	April 1 - November 1	Irrigation and Domestic	L-5549
14068	11-22-50	City of Healdsburg	--	Dry Creek	NW	SE	20	9N	9W	MD	1.0 cfs	April 1 - November 1	Municipal	P-8594
14079	11-30-50	Lavone C. Priest	8N/7W-20E1	Mark West Creek	SW	NW	20	8N	7W	MD	0.22 cfs	April 1 - December 1	Domestic, Irrigation and Stockwatering	P-8529
14092	12-4-50	O. M. Powell	6N/7W-4B1	Tributary to Matanzas Creek	NW	NE	4	6N	7W	MD	7.0 af	October 1 - May 1	Stockwatering	L-6157
14107	12-18-50	Stanley and Alta L. Arata	8N/8W-7C1	Tributary to Windsor Creek	NW	NE	7	8N	8W	MD	30 af	November 1 - April 30	Irrigation and Stockwatering	L-4767
14136	1-22-51	Mary L. Wagele and Maxine L. Bell	--	Dry Creek	NW	NW	22	10N	10W	MD	0.18 cfs	April 1 - November 1	Irrigation	L-4704
14144	2-2-51	Shelford W. and Yolanda Hiatt	--	Russian River	SE	SW	8	11N	10W	MD	0.49 cfs	May 1 - November 1	Irrigation	L-5108
14160	2-13-51	Crape Factors, Incorporated	—	Russian River	SE	NE	17	15N	12W	MD	0.238 cfs	June 1 - November 1	Irrigation	L-4783
14171	2-26-51	J. L. Dwight and Gertrude C. Richards	--	Dry Creek	NE	NW	18	10N	10W	MD	0.5 cfs	April 1 - December 1	Irrigation	L-5460

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APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(continued)

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
14172	2-26-51	Henry and Beverly Boyes	—	Russian River	NE	NW	18	10N	9W	MD	0.39 cfs	April 1 - November 1	Irrigation	L-4516
14201	3-15-51	Hollow Tree Lumber Company and Elmer G. Harmon	15N/12W-5R1	Russian River	SE	SE	5	15N	12W	MD	0.5 cfs	June 1 - September 1	Irrigation	L-4377
14206	3-20-51	John Reed Lowe	14N/12W-25F1	Russian River	SW	NW	25	14N	12W	MD	8,900 gpd	May 15 - September 15	Irrigation	L-4517
14208	3-21-51	N. C. Frost	—	Russian River	SW SE	SE NW	9	8N	9W	MD	1.17 cfs	April 1 - December 1	Irrigation	P-8733
14215	3-26-51	Minnie Petray	—	Russian River	NE	NW	12	10N	10W	MD	0.5 cfs	April 1 - November 1	Irrigation	L-4518
14245	4-11-51	Francis and Vernon Lile, Dorothy C. Roundy	—	Russian River	SE	NW	20	11N	10W	MD	0.14 cfs	May 1 - December 1	Irrigation	L-4520
14246	4-11-51	C. L. and Maxine E. Ledford	—	Russian River	NW	SW	18	10N	9W	MD	0.09 cfs	April 1 - November 1	Irrigation	L-5047
14301	5-10-51	Charles J. Kruse	—	Mark West Creek	SE	SW	28	8N	7W	MD	5,000 gpd	February 1 - November 1	Irrigation and Stockwatering	L-5338
14304	5-14-51	N. E. Ledford	14N/12W-3N1	Russian River	SE	SE	4	14N	12W	MD	0.75 cfs	May 1 - September 30	Irrigation	L-5324
14333	6-5-51	Preston Ranch Company	8N/9W-3P1	Russian River	SE	SW	3	8N	9W	MD	2.15 cfs	April 1 - December 1	Irrigation	L-6096
14339	6-7-51	Henry and Tilda Dick	9N/9W-1P1	Russian River	SE	SW	1	9N	9W	MD	0.9 cfs	April 1 - November 1	Irrigation	L-5054
14364	6-25-51	George and Isabel B. Greecott	8N/8W-6R1	Tributary to Windsor Creek	SE	SE	6	8N	8W	MD	100 afa	November 1 - May 31	Irrigation	L-5708
14379	6-29-51	A. W. Sloat	8N/7W-29B1	Mark West Creek	SE	NE	29	8N	7W	MD	0.125 cfs	February 1 - December 1	Irrigation	L-5314
14393	7-16-51	Seghesio Winery	—	Russian River	NE	NW	17	11N	10W	MD	0.45 cfs	May 15 - November 1	Irrigation	L-5613
14448	8-28-51	Donald B. and Dorothy McCormuodale	—	East Fork Russian River	SE	SE	33	16N	12W	MD	0.05 cfs	May 1 - October 1	Irrigation	L-5865
14459	8-31-51	Percy Welch	9N/8W-14A1	Russian River	SW SW	SE NE	18 19	9N 9N	8W 8W	MD MD	0.67 cfs	April 1 - December 1	Irrigation	P-8912
14466	9-6-51	Robert C. Eckart	9N/7W-20M1	Tributary to Franz Creek	SE	NE	20	9N	7W	MD	30 afa	October 1 - February 1	Irrigation and Stockwatering	L-4421
14467	9-6-51	West Water Company	—	Russian River	SE	SE	6	11N	10W	MD	1.4 cfs	January 1 - December 31	Domestic and Recreational	P-8901
14492	9-19-51	Mac and Velma Ploch and Mary Ann Hyslope	—	Russian River	SW	SW	7	10N	9W	MD	0.17 cfs	April 1 - November 1	Irrigation	L-4769
14513	10-5-51	W. N. Appleton and The Sonoma County Abstract Bureau	—	Tributary to Russian River	SW	NE	35	9N	9W	MD	13.5 af	October 1 - May 1	Stockwatering and Recreational	L-6351
14539	10-29-51	John Drivell	14N/12W-10C1	Russian River	SE	NW	10	14N	12W	MD	0.67 cfs	May 15 - October 15	Irrigation	L-6448
14543	10-31-51	Warren W. and Clara E. Cecil	—	Salmon Creek	SW	SW	34	7N	10W	MD	400 gpd	January 1 - December 31	Domestic	L-4124
14604	12-17-51	Everett S. and Bessie H. Ballard	8N/9W-32D1	Russian River	SW	NW	32	8N	9W	MD	0.07 cfs	May 1 - October 1	Irrigation	L-5455
14624	1-21-52	Sterling and Ray Norgard	15N/12W-33L1	Russian River	SW	NW	33	15N	12W	MD	0.38 cfs	May 15 - October 1	Irrigation	L-4386
14666	2-1-52	Lorena Lynch Terwell	—	Salmon Creek	NW	NW	3	6N	10W	MD	400 gpd	January 1 - December 31	Domestic and Stockwatering	L-4956
14671	2-11-52	Herman N. Nelson	14N/12W-26E1	McNab Creek	NE	SE	27	14N	12W	MD	1.0 cfs	May 1 - October 1	Irrigation	P-9029

For explanation of symbols, see last page of table

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
14715	3-17-52	James M. and Geneva Petersen	9N/8W-18G1	Tributary to Russian River	SW	NE	18	9N	8W	MD	8,100 gpd 23 af	March 1 - December 1 October 1 - May 1	Irrigation and Stockwatering	L-5784
14718	3-19-52	Victor G. Newfield	9N/8W-17G1	Maacama Creek	SW	NE	17	9N	8W	MD	0.03 cfs	April 15 - October 15	Domestic, Industrial and Stockwatering	L-5490
14720	3-20-52	McCutchan Ranches	--	Russian River	NE	NW	33	10N	9W	MD	0.26 cfs	May 15 - November 1	Irrigation	L-5297
14735	3-31-52	Elmer F. Axell	9N/8W-20A1	Tributary to Franz Creek	NW	NE	20	9N	8W	MD	156 af	November 1 - May 1	Irrigation	L-5368
14747	4-14-52	Alex S., Lois J., Robert and Rachel Russell	8N/9W-16A1	Russian River	NE	NE	16	8N	9W	MD	1.75 cfs	May 1 - November 1	Irrigation	L-4838
14749	4-15-52	James J., Jr. and Earline N. Noble	9N/8W-21N1	Tributary to Franz Creek	SW	SW	21	9N	8W	MD	30 af	October 15 - April 15	Irrigation	P-9074
14750	4-15-52	Harold S. and Mary Ella Johnston, Isadore and Labella Perlman	—	Russian River	NE	NE	30	9N	8W	MD	0.09 cfs	April 1 - November 1	Irrigation	L-4992
14762	4-18-52	Sonoma Ranch Company	--	Russian River	NW	SW	10	8N	9W	MD	1.0 cfs	April 15 - October 15	Irrigation	P-9063
14767	4-21-52	Beck Brothers	6N/7W-4R1	Tributary to Matanzas Creek	SE	SE	4	6N	7W	MD	25 af	December 1 - April 15	Irrigation	L-5157
14776	4-25-52	Estate of Joseph T. Grace	8N/9W-28C1	Russian River	SE SW	NW NW	28 28	8N 8N	9W 9W	MD MD	0.43 cfs	June 1 - September 1	Irrigation	L-5385
14777	4-25-52	Alexander Budge	--	Russian River	NE	NW	2	9N	9W	MD	0.69 cfs	June 1 - September 1	Irrigation	L-4833
14797	5-7-52	Kenton N. and Helen B. Smith	7N/7W-14Q1	Tributary to Santa Rosa Creek	SW	SE	14	7N	7W	MD	30 af	November 1 - April 30	Irrigation	L-5048
14826	5-27-52	County of Sonoma	9N/9W-28B1	Russian River	NW	NE	28	9N	9W	MD	0.15 cfs	May 15 - June 1	Recreational	L-4801
14841	6-5-52	Peter J. Lowe	9N/8W-8N1	Maacama Creek	SW	SW	9	9N	8W	MD	4.5 af	October 15 - May 1	Irrigation and Stockwatering	L-4813
14842	6-5-52	Peter J. Lowe	9N/8W-16L1	Tributary to Maacama Creek	SW	NE	16	9N	8W	MD	48 af	November 1 - April 15	Irrigation	L-4929
14855	6-12-52	Lawrence Clyde and Lawrence Charles Smith	—	Russian River	SW NW	NW SW	21	10N	9W	MD	0.88 cfs	April 1 - December 1	Irrigation	P-9101
14856	6-12-52	L. C. Smith	--	Russian River	SW	SE	18	10N	9W	MD	0.04 cfs	May 1 - November 1	Irrigation	L-5272
14870	6-23-52	J. M. and Mabel Salinger	8N/8W-34K1	Tributary to Mark West Creek	NW	SE	34	8N	8W	MD	46 af	December 1 - March 1	Irrigation	L-5024
14872	6-24-52	John O. Humber	—	Tributary to Franz Creek	NE	SE	4	8N	7W	MD	8 af	October 15 - March 15	Irrigation, Domestic and Stockwatering	P-9170
14875	6-25-52	River Oaks Ranch, Incorporated	--	Russian River	SW NW SE SW SE	NW SW SW NE NW	34 34 34 34 34	10N 10N 10N 10N 10N	9W 9W 9W 9W 9W	MD MD MD MD MD	.375 cfs .937 cfs 1.0 cfs .313 cfs .375 cfs	April 1 - December 1	Irrigation	P-9126
14880	6-26-52	Rounds and Kilpatrick Lumber Company	—	Russian River	SE	SE	29	11N	10W	MD	2.0 cfs	January 1 - December 31	Fire Protection	L-4389
14904	7-10-52	Estate of John J. Cornwell (LaFranchi Brothers)	9N/8W-3L1	Maacama Creek	NE	SW	3	9N	8W	MD	0.17 cfs	March 1 - September 30	Irrigation	L-5115
14916	7-21-52	Stanley W. and Dorothy M. Watson	15N/12W-16L1	Russian River	NE	SW	16	15N	12W	MD	0.5 cfs	May 1 - November 1	Irrigation	L-6191
14925	9-12-52	Sonoma Ranch Company	8N/9W-16N1	Russian River	SE	NW	16	8N	9W	MD	1.5 cfs	May 1 - November 1	Irrigation, Domestic and Stockwatering	P-9248

For explanation of symbols, see last page of table.

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TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11,1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
14942	7-30-52	Donald, Bernice, Elvin, and Mary Jackson	—	Russian River	NE	NE	21	8N	9W	MD	0.15 cfs	April 1 - November 1	Irrigation	L-5352
14966	8-13-52	Robert N. and Mary Ellen Walter	7N/8W-2F1	Tributary to Piner Creek	SE NW	NW NW	2 2	7N 7N	8W 8W	MD MD	433 af	October 1 - May 31	Irrigation	L-6119
14997	8-27-52	Ivan, Nellie and Charles Crawford	14N/12W-25L1	Russian River	NE	SW	25	14N	12W	MD	1.0 cfs	May 1 - November 30	Irrigation	L-4777
15010	9-8-52	Emma E. Baker	--	Tributary to Russian River	SE	SW	26	9N	9W	MD	12,500 gpd	January 1 - December 31	Domestic and Stockwatering	L-4673
15075	11-6-52	Lucile A. Clark	10N/8W-31L1	Combs Creek	SE	SW	31	10N	8W	MD	0.37 cfs	April 1 - December 1	Irrigation	P-9259
15157	1-20-53	Madonna Orchards	—	Russian River	SW	NE	4	14N	12W	MD	1.1 cfs	May 15 - October 15	Irrigation	L-6214
15158	1-20-53	Alex K. and Gabrielle A. Thomas	—	Russian River	NE	NE	17	15N	12W	MD	0.3 cfs	May 15 - October 15	Irrigation	L-4675
15168	1-21-53	Mary W. Lane	15N/13W-16D1	Russian River	SE NE	SE NE	8 17	15N 15N	12W 12W	MD MD	0.55 cfs	May 1 - October 15	Irrigation	L-5118
15186	2-4-53	Emery Weaver and Clarence Showalter	--	Tributary to Russian River	NE	SW	25	15N	13W	MD	15,000 gpd	January 1 - December 31	Domestic	P-12127
15187	2-4-53	Harry M. Groves	—	Gibson Creek	SE	NE	24	15N	13W	MD	400 gpd	January 1 - December 31	Domestic	L-4920
15194	2-11-53	Mary Gubbins Larkin	8N/9W-5K1	Tributary to Windsor Creek	NW	NW	5	8N	8W	MD	65 af	October 1 - May 31	Irrigation	P-9014
15230	3-9-53	Annabel Lagomarsino	7N/7W-5K1	Tributary to Brush Creek	NW	SE	5	7N	7W	MD	3.0 af	December 1 - April 1	Recreational	L-5171
15233	3-12-53	Emil Passalacqua	9N/9W-15M1 9N/9W-15D1	Russian River	NE SW NE SW	NE NE NW SW	15 15 22 10	9N 9N 9N 9N	9W 9W 9W 9W	MD MD MD MD	1.20 cfs	April 1 - December 1	Irrigation	P-9536
15237	3-16-53	Albert Lobrett	8N/9W-2G1	Tributary to Russian River	SW	NE	2	8N	9W	MD	30 af	October 1 - April 1	Irrigation	L-5284
15276	4-6-53	Edward R. and Jean Norton	--	Russian River	SE	SE	26	10N	9W	MD	0.18 cfs	April 1 - December 1	Irrigation	L-5093
15277	4-5-53	Clarence O. Skrable	—	Russian River	SE	NW	33	10N	9W	MD	0.15 cfs	April 15 - November 15	Irrigation	L-4974
15278	4-6-53	Edward R. and Jean Norton	—	Dry Creek	SW	NE	20	9N	9W	MD	0.05 cfs	May 15 - November 15	Irrigation	L-5094
15299	4-17-53	Camulos Land Company	--	Tributary to Wallace Creek	SW	NW	26	9N	10W	MD	5,600 gpd	April 15 - October 15	Domestic and Stockwatering	L-6428
15314	4-24-53	Jerry L. and Roberta Lee Fouts	8N/7W-5G1	Tributary to Franz Creek	NE	SE	5	8N	7W	MD	36 af	October 1 - May 1	Irrigation	L-5659
15329	5-1-53	Oscar Anderson and Glen Cordes	--	East Fork Russian River	SE	SE	33	16N	12W	MD	0.1 cfs	March 1 - November 30	Irrigation	L-4688
15347	5-18-53	Alexander Dudre	9N/9W-2F1	Russian River	SE NE	NW SW	2 2	9N 9N	9W 9W	MD MD	0.2 cfs	May 15 - October 15	Irrigation	L-5163
15348	5-18-53	Ellis and Lorraine McPherson	—	Dry Creek	NW	NE	27	10N	10W	MD	0.17 cfs	April 1 - November 1	Irrigation	L-5178
15370	6-5-53	James I. and Erma Louise Johnson	—	Russian River	SW	SE	1	9N	9W	MD	0.52 cfs	April 1 - December 1	Irrigation	L-6172
15377	7-1-53	Aldrich A. and Lydia L. Navara	—	Russian River	SW	NW	18	10N	9W	MD	0.1 cfs	June 1 - October 1	Irrigation	L-5187
15379	7-6-53	George and Hazel Allen	—	Russian River	SE	SW	18	10N	9W	MD	0.1 cfs	May 1 - November 1	Irrigation	L-5162

For explanation of symbols, see last page of table

TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11,1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
15404	7-7-53	Harry Rasmussen	7N/8W-18N1	Santa Rosa Creek	SE	SE	18	7N	8W	MD	650 gpm	May 1 - November 15	Irrigation	P-13131
15515	8-31-53	Dorothy Atkinson	9N/9W-31E1	Tributary to Windsor Creek	NW	SW	31	9N	8W	MD	20 af	October 1 - May 1	Irrigation	L-5640
15521	9-2-53	Dwight M. Cochran	9N/8W-24A1	Tributary to Kelly Creek	NW	NW	19	9N	7W	MD	97 af	October 1 - June 1	Irrigation and Stockwatering	L-5801
15573	10-9-53	Fred Siemer	—	Santa Rosa Creek	SW SE	NW NE	21 20	7N 7N	8W 8W	MD MD	2.0 cfs	June 1 - October 31	Irrigation	P-13132
15603	11-9-53	William G. Wilson	8N/9W-14H1	Tributary to Windsor Creek	SE	NE	1	8N	9W	MD	133 af	October 1 - April 30	Irrigation	L-5682
15610	11-12-53	Merl L. and Claire Butler	—	Forsythe Creek	SE	SE	8	16N	12W	MD	0.05 cfs	May 1 - October 15	Irrigation	L-9978
15624	11-30-53	Fred Lencioni	9N/9W-6P1	Tributary to Dry Creek	SE	SW	6	9N	9W	MD	30 af	November 1 - April 30	Irrigation	P-9705
15663	12-28-53	Durable Plywood Company	16N/12W-16P1	Russian River	NE	SW	16	16N	12W	MD	0.22 cfs	January 1 - December 31	Industrial and Fire Protection	L-5268
15664	12-29-53	Richard V. Lefler	11N/10W-34Q1	Russian River	NE	NW	3	10N	10W	MD	1.0 cfs	April 1 - October 15	Irrigation	P-9758
15677	1-11-54	Sterling and Kay Norgard	15N/12W-33L1	Russian River	NE	SW	33	15N	12W	MD	0.32 cfs	June 1 - October 1	Irrigation	L-5958
15678	1-11-54	Sterling and Kay Norgard	15N/12W-28A1	Russian River	NW	NE	28	15N	12W	MD	0.25 cfs	June 1 - October 1	Irrigation	L-5959
15679	1-11-54	Masonite Corporation	—	Russian River	NW	SW	9	15N	12W	MD	5.9 cfs	January 1 - December 31	Industrial	L-5763
15685	1-15-54	Douglas C. and Ruth L. Adams	—	Laguna de Santa Rosa	SW	SW	23	7N	9W	MD	0.4 cfs	April 1 - October 31	Irrigation	P-9802
15688	1-18-54	Zelma A. Matchford	—	Russian River	SW	SE	15	9N	9W	MD	0.08 cfs	January 1 - December 31	Domestic	P-9979
15704	1-25-54	City of Ukiah	—	Russian River	NE NW SW	NE NW SE	17 16 16	15N 15N 15N	12W 12W 12W	MD MD MD	0.20 cfs	January 1 - December 31	Municipal	P-12952
15720	2-9-54	R. B. Newman	8N/7W-27N1 8N/7W-27N2	Tributary to Mark West Creek	NE	SE	27	8N	7W	MD	24.5 af	October 1 - April 30	Irrigation and Recreational	L-5422
15721	2-10-54	Willow County Water District	15N/12W-33E1	Russian River	NW	NE	32	15N	12W	MD	1.0 cfs	January 1 - December 31	Municipal	P-9891
15723	2-15-54	U. S. Army, Corps of Engineers	—	East Fork of Russian River	NE	SW	34	16N	12W	MD	0.63 cfs	May 1 - October 31	Irrigation	P-9793
15724	2-15-54	Howard W. and Thomas L. Fish	8N/9W-33M1	Mark West Creek	NW	SW	33	8N	9W	MD	0.41 cfs	May 1 - October 15	Irrigation	L-5179
15726	2-16-54	Otto and Katherine Michalek	—	Russian River	SE	NE	20	10N	9W	MD	0.42 cfs	May 1 - November 1	Irrigation	L-5552
15727	2-16-54	Mollala Forest Products Company	—	Russian River	NE	NW	20	11N	10W	MD	0.2 cfs 69 af	January 1 - December 3 April 1 - August 1	Industrial	L-5931
15728	2-16-54	Marion V. and J. S. Johnson	—	Russian River	NW	SE	18	9N	8W	MD	0.32 cfs	April 1 - December 1	Irrigation	P-9958
15729	2-16-54	Harry P. Meyer	—	Russian River	NE NW	NW NE	28 28	10N 10N	9W 9W	MD MD	0.22 cfs	May 1 - November 15	Irrigation	L-5448
15736	2-18-54	Sonoma County Flood Control and Water Conservation District	8N/9W-29F1	Russian River	NE NW NE NW SW	SW SE SE NE NW	29 31 18 28 7	8N 8N 10N 9N 7N	9W 9W 9W 9W 10W	MD MD MD MD MD	20 cfs	January 1 - December 31	Municipal	P-12949

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TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
15737	2-18-54	Sonoma County Flood Control and Water Conservation District	8N/9W-29F1	Russian River	NE NW NE NW SW	SW SE SE NE NW	29 31 18 28 7	9N 8N 10N 9N 7N	9W 9W 9W 9W 10W	MD MD MD MD MD	60 cfs	April 1 - September 30	Domestic	P-12950
15743	2-23-54	Robert L. Crandell	12N/11W-14P1	Russian River	SE	SW	14	12N	11W	MD	0.13 cfs	May 1 - November 1	Irrigation and Stockwatering	L-5969
15759	3-5-54	C. M. and Elinor Wallace	--	Dry Creek	SW	NW	20	9N	9W	MD	0.25 cfs	April 1 - December 1	Irrigation	L-6420
15760	3-5-54	William C., Norma, C. M. and Elinor Wallace	--	Dry Creek	SE	NE	12	9N	10W	MD	0.34 cfs	April 1 - December 1	Irrigation	P-9869
15779	3-17-54	Sonoma County Flood Control and Water Conservation District	7N/13W-6F1 8N/10W-32D1	Russian River	NE NW NE NE SW SE SE	NW NW NE NW SW SE SE	6 32 28 23 27 7 13	7N 8N 9N 9N 11N 11N 7N	10W 10W 9W 9W 10W 10W 12W	MD MD MD MD MD MD MD	125 cfs	May 1 - November 30	Recreational	P-12951
15790	3-17-54	Ernest V. and Vera L. Ruddick	--	Russian River	NE	NW	36	14N	13W	MD	0.82 cfs	May 1 - November 1	Irrigation	L-5363
15791	3-17-54	Estate of Elmer C. Ruddick	14N/12W-25J1	Russian River	SW	SE	25	14N	13W	MD	1.0 cfs	May 1 - November 1	Irrigation	P-9871
15796	3-23-54	Neva L. Kunzler	15N/13W-9E1	Russian River	SE	NE	8	15N	12W	MD	0.16 cfs	April 1 November 1	Irrigation	L-5892
15797	3-23-54	Mary E. Wilen	11N/11W-33D1	Dry Creek	SW	SW	28	11N	11W	MD	0.2 cfs	May 1 - November 1	Irrigation	L-5176
15854	4-30-54	Italian Swiss Colony	10N/10W-4B1	Tributary to Russian River	NW	NE	4	10N	10W	MD	101 af	October 1 - May 1	Irrigation	L-5759
15874	6-7-54	Fred and Albert Gerhardt	7N/10W-23E1	North Fork Lancel Creek	SW	NW	23	7N	10W	MD	82 af	November 1 - May 31	Irrigation	L-5780
15948	7-16-54	Petersen Farms	7N/8W-17N1	Santa Rosa Creek	SE	SE	18	7N	8W	MD	1 cfs	May 1 - September 15	Irrigation	P-13135
15983	8-6-54	J. F. McCutchan	12N/11W-25E1	Russian River	SW	NW	25	12N	11W	MD	0.2 cfs	May 1 - November 30	Irrigation	L-5561
15984	8-6-54	Ralph L. and Pernilla N. Noddin	--	Russian River	NW	SW	5	11N	10W	MD	7,950 gpd	May 1 - November 30	Domestic and Irrigation	L-5798
16008	8-24-54	John H. Preston	8N/9W-3P1 8N/9W-9H1	Russian River	SE NW	SW NW	3 10	8N 8N	9W 9W	MD MD	0.5 cfs	April 1 - December 1	Irrigation	P-9998
16077	10-4-54	H. M. Hickman	9N/8W-3N1	Tributary to Huacama Creek	NE	NW	10	9N	8W	MD	20 af	October 1 - May 1	Fish Culture, Stockwatering, Recreation and Irrigation	L-5795
16086	10-4-54	Gregory A. Harrison	17N/12W-24R1	Bevans Creek	SE	SE	24	17N	12W	MD	89.6 af	November 1 - April 30	Irrigation	L-6057
16136	10-22-54	Joseph and William Bottasso	8N/9W-1K1 8N/9W-1L1	Tributary to Windsor Creek	NW	SE	1	8N	9W	MD	23 af	October 15 - April 15	Irrigation	L-5797
16137	10-22-54	Finley Ranch and Land Company	7N/9W-22M1	Laguna de Santa Rosa	SE	SE	22	7N	9W	MD	0.5 cfs	May 1 - November 1	Irrigation	P-1114
16141	11-17-54	Lyall T. and Fay D. Neat	11N/10W-5M2	Russian River	NW	SW	5	11N	10W	MD	0.06 cfs	May 1 - October 15	Irrigation, Domestic and Stockwatering	L-5029
16155	11-29-59	Russel Scott and Estate of Glenn W. Scott	15N/12W-28L2 15N/12W-29F1	Russian River	NE SE	SW NW	28 28	15N 15N	12W 12W	MD MD	0.625 cfs	May 15 - November 1	Irrigation and Stockwatering	P-10211
16163	12-2-54	Allen C. and Mildred L. Anderson	--	Grape Creek	NW	NE	3	9N	10W	MD	6.8 af	April 15 - November 1	Irrigation and Stockwatering	P-10505
16170	12-28-54	Beck Brothers	6N/7W-4R1	Tributary to Mantanzas Creek	SE	SE	4	6N	7W	MD	15 af	October 15 - April 15	Irrigation and Recreation	L-5828

For explanation of symbols, see last page of table

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

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Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
16218	1-26-55	Peter Roman	10N/11W-15H1	Tributary to Dry Creek	SW	NW	14	10N	10W	MD	15 af	October 1 - May 31	Recreational and Stockwatering	L-5438
16249	2-28-55	G. P. Bradford	13N/11W-32A1 13N/11W-33M1 13N/11W-33K1	Russian River	NE NW NE	NE SW SW	32 33 33	13N 13N 13N	11W 11W 11W	MD MD MD	3.0 cfs	April 15 - November 1	Irrigation and Stockwatering	P-10201
16275	3-14-55	James L. and Vivian Williams	--	East Fork of Russian River	NE	SW	34	16N	12W	MD	0.66 cfs	January 1 - December 31	Domestic	P-10291
16308	4-11-55	Adolph B. and Gayle P. Wagner	14N/12W-9A1	Russian River	SE	SE	4	14N	12W	MD	0.5 cfs	June 1 - November 1	Irrigation	L-5924
16319	4-19-55	Harold W. and Genevieve T. Peters	--	Russian River	SE	NW	17	11N	10W	MD	0.4 cfs	April 1 - December 1	Irrigation	L-6414
16321	4-20-55	Jean S. Black	--	Russian River	NW	NE	17	11N	10W	MD	0.66 cfs	May 1 - October 15	Irrigation	L-5868
16334	4-22-55	Walter L., Pearl M., Walter L. Haehl, Jr.	12N/11W-25E2	Russian River	SW	SW	25	12N	11W	MD	0.025 cfs	May 1 - October 1	Irrigation and Stockwatering	L-5175
16347	4-27-55	B. A. Fetzer	16N/12W-7C1	Forsythe Creek	SE	NW	7	16N	12W	MD	0.42 cfs	May 15 - September 30	Irrigation	P-11760
16351	4-27-55	Lucien L. and Lema Tyler	11N/10W-5M1	Russian River	NW	SW	5	11N	10W	MD	0.31 cfs	April 1 - October 31	Irrigation	L-5095
16357	5-3-55	Mary Murray Johns	--	Russian River	SE SW SE	SW SE SE	17 17 17	11N 11N 11N	10W 10W 10W	MD MD MD	0.33 cfs	April 15 - November 15	Irrigation	L-5823
16365	5-9-55	Mrs. H. S. Chandler	11N/10W-6R1	Russian River	NW	NE	7	11N	10W	MD	0.06 cfs	April 1 - October 1	Irrigation	L-5704
16381	5-17-55	Gregory A. Harrison	17N/12W-24R1	Bevans Creek	SE	SE	24	17N	12W	MD	110.4 af	November 1 - April 30	Irrigation and Stockwatering	L-6102
16398	5-27-55	Donald O. and Ella O. Nye	--	RussianRiver	NW NW	NE SW	34 35	11N 11N	10W 10W	MD MD	0.16 cfs	April 1 - November 1	Irrigation	L-6454
16404	6-3-55	James H. and Lois M. Black	11N/10W-28L2	Russian River	SE	NW	28	11N	10W	MD	0.5 cfs	April 1 - November 1	Irrigation	L-6525
16405	6-3-55	Lilly R. Ferguson	--	Russian River	SW	SE	20	10N	9W	MD	0.64 cfs	May 1 - November 1	Irrigation	P-10314
16416	6-13-55	John and Rita Drivell	15N/12W-9D1	Russian River	NE	NE	8	15N	12W	MD	0.16 cfs	May 15 - October 31	Irrigation	L-5289
16430	6-21-55	Carl E. and Ava Peterson	16N/12W-8L1	Forsythe Creek	NE	SW	8	16N	12W	MD	0.10 cfs	May 15 - September 30	Irrigation	P-11761
16440	6-24-55	Mona Chrisholm	--	Russian River	NW NE NE	SW SE SE	22 21 21	8N 8N 8N	9W 9W 9W	MD MD MD	1.25 cfs	April 15 -	Irrigation	P-10380
16443	6-28-55	Ralph S. Nibbard	--	Cummisky Creek	SW NE	NE SE	8 8	12N 12N	11W 11W	MD MD	0.25 cfs	April 1 - October 31	Irrigation, Domestic and Stockwatering	P-10275
16457	7-11055	Harold R. and Eda J. McClish	--	Russian River	NW NE NE	SW SE SE	3 4 4	8N 8N 8N	9W 9W 9W	MD MD MD	0.91 cfs	April 1 -	Irrigation	P-10421
16458	7-11-55	Stanley E. and Delia A. Brush	--	Russian River	SE	NE	17	11N	10W	MD	0.57 cfs	April 1 - December 1	Irrigation	L-6415
16467	7-18-55	Everett and Josephine Faber Carlson	9N/8W-2M1	Tributary to Maacama Creek	SW	NW	2	9N	8W	MD	25 af	October 1 - May 1	Irrigation	L-5879
16472	7-19-55	A. J. and Georgianne Baedeker	--	East Fork Russian River	NE	NE	20	17N	11W	MD	2.0 cfs	April 1 - October 1	Irrigation	P-10400
16478	7-21-55	W. Barry Hill and Ursula C. Hill, Walter A. and Elsa F. Kellner	7N/7W-24D1	Tributary to Santa Rosa Creek	SW	NW	24	7N	7W	MD	103 af	October 1 - April 30	Irrigation	P-10843

For explanation of symbols, see last page of table

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TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
16524	8-15-55	Jack Mounta	9N/10W-2C1	Dry Creek	NE	NW	2	9N	10W	MD	1.0 cfs	April 15 - November 1	Irrigation	[illegible]-12998
16525	8-15-55	Leo Demostene	—	Russian River	SW	SE	34	10N	9W	MD	0.06 cfs	April 15 - November 1	Irrigation	L-5739
16527	8-16-55	Hillcone Steamship Company	7N/7W-28N1	Spring Creek	SE	NE	28	7N	7W	MD	415 af	October 1 - April 30	Irrigation	[illegible]-10427
16543	8-23-55	William L. Melter	17N/11W-17M1	East Fork Russian River	NW	SW	17	17N	11W	MD	2,200 gpd	May 1 - September 30	Irrigation	[illegible]-13028
16545	8-23-55	Dorothy M. Irwin	--	Gray Creek	SE	NE	30	9N	10W	MD	0.155 cfs 3 af	April 15 - December 15 April 15 - June 1	Domestic, Irrigation and Recreation	[illegible]-11046
16557	8-29-55	Angelo and Rose Damiano	—	Russian River	SE NE	SW NW	7 18	13N 13N	11W 11W	MD MD	1.65 cfs	April 1 - December 1	Irrigation	[illegible]-[illegible]3
16561	8-30-55	N. N., J. N. and William A. Pomeroy, Nora P. Plant	--	Russian River	SE NE	SW NW	7 7	13N 13N	11W 11W	MD MD	2.45 cfs	April 1 - December 1	Irrigation	[illegible]-10384
16652	10-10-55	Stacy M. and Nadine Epps	--	Forsythe Creek	NW	SW	8	10N	10W	MD	0.[illegible] cfs	April 1 - October 31	Irrigation	[illegible]-17647
16655	10-10-55	Hoffman and Gibson	--	Tributary to Gallagher Creek	NE	NE	34	11N	11W	MD	30 af	October 1 - April 30	Irrigation	[illegible]-10375
16668	10-14-55	A. T. and A. C. Dolcini	4N/8W-25M1	Tributary to Arroyo Sausal	NW	SW	25	4N	8W	MD	70 af	November 1 - June 1	Stockwatering and Irrigation	L-6332
16670	10-17-55	A. F. Moulton Company	13N/11W-18R1	Russian River	SW NW	SE NE	18 19	13N 13N	11W 11W	MD MD	3.40 cfs	May 15 - October 15	Irrigation	Pending
16671	10-17-55	A. F. Moulton Company	13N/12W-1A1 13N/12W-1H1	Russian River	SW SE SW	NE NE SW	1 1 6	13N 13N 13N	12W 12W 11W	MD MD MD	3.80 cfs	May 15 - October 15	Irrigation	Pending
16673	10-17-55	C. S. and Lillian Hocking	--	Russian River	NE NW	SE SW	18 17	10N 10N	9W 9W	MD MD	3.50 cfs	April 1 - November 1	Irrigation	L-5403
16681	10-21-55	Warren P. and Camille C. Richardson	8N/9W-16N2	Russian River	SE	NE	16	8N	9W	MD	0. cfs	May 1 - November 15	Irrigation	Pending
16705	10-31-55	William E. and Evelyn Souza	5N/9W-22P1 5N/9W-22M1	Tributary to Stemple Creek Stemple Creek	SE NW	SW SW	22 22	5N 5N	9W 9W	MD MD	32 af 1.5 cfs	October 31 - June 1	Stockwatering and Irrigation	[illegible]-10586
16713	11-3-55	Mrs. James H. Sheridan	7N/11W-12C1	Russian River	NW	NW	12	7N	11W	MD	0.38 cfs	April 1 - October 15	Irrigation	P-10526
16758	11-30-55	Creelin Fitzgerald	14N/12W-10F1	Russian River	SE	NW	10	14N	12W	MD	1.0 cfs	April 1 - November 1	Irrigation	Pending
16777	12-9-55	America Mafanelli	9N/10W-2H1	Dry Creek	SE NE	NE SE	2 2	9N 9N	10W 10W	MD MD	0.75 cfs	April 15 - October 15	Irrigation	[illegible]-13[illegible]3
16821	1-6-56	Ernest E. Auch	—	Russian River	NE	NE	19	10N	9W	MD	0.[illegible] cfs	April 1 - November 1	Irrigation	L-5764
16825	1-12-56	Swen and Hulda Kummer	13N/11W-22C1	McDowell Creek	SE	NE	22	[illegible]N	11W	MD	1.0 cfs	January 1 - September 1	Stockwatering and Irrigation	[illegible]-[illegible]96
16904	2-21-56	W. Barry and Ursula C. Hill, Walter A. and Elsa F. Kellner	7N/7W-24D1	Tributary to Santa Rosa Creek	NW	NW	24	7N	7W	MD	65 af	October 1 - April 30	Irrigation	[illegible]-1[illegible]44
16961	3-21-56	Salvation Army Boys and Girls Home	9N/9W-5J1	Tributary to Russian River	NW NE	NE NE	5 8	9N 9N	9W 9W	MD MD	538 af	October 1 - May 15	Irrigation	[illegible]-10651
16973	3-27-56	Frank Ponzio	13N/11W-2JP1	Harris Creek	SW	SE	28	13N	11W	MD	0.[illegible] cfs	April 1 - November 1	Stockwatering and Irrigation	[illegible]-[illegible]0[illegible]
			13N/11W-2JC1	Tributary to Harris Creek	SE	SW	28	13N	11W	MD	49 af	November 1 - May 1		
17005	4-16-56	J. C. Kircher and H. C. Kircher	14N/12W-10P1	Russian River	NE	SW	10	14N	12W	MD	1.5 cfs	April 1 - October 1	Stockwatering and Irrigation	Pending

For explanation of symbols, see last page of table

TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
17056	4-30-56	Carl F. and Cleo E. Nelson	9N/10W-2G2 9N/10W-2N2	Dry Creek	SW SE	NE NE	2 2	9N 9N	10W 10W	MD MD	.25 cfs	April 15 - October 15	Irrigation	P-13030
17079	5-9-56	T. Alpin	6N/7W-17B1	Tributary to Laguna de Santa Rosa	SE NW NW SW SE	SW SW NE NE NE	17 17 17 17 17	6N 6N 6N 6N 6N	7W 7W 7W 7W 7W	MD MD MD MD MD	0.35 cfs	April 1 - October 15	Stockwatering and Irrigation	P-13809
17081	5-9-56	Tom Fish	8N/9W-33M1	Mark West Creek	NW	SW	33	8N	9W	MD	0.55 cfs	April 15 - October 15	Stockwatering and Irrigation	P-13013
17091	5-14-56	Robert M. Ford and Jess Rawles	--	Tributary to Russian River	NW NE	NE NE	28 29	17N 17N	12W 12W	MD MD	1.0 cfs 1.04 af	April 15 - September 2	Stockwatering and Irrigation	P-13155
17098	5-22-56	Albert Johnson	9N/9W-6D1	Tributary to Dry Creek	NW	NW	6	9N	9W	MD	15 af	April 15 - October 15	Irrigation	P-10947
17100	5-23-56	Foppiano Brothers	9N/9W-14C1	Russian River	NW	NE	14	9N	9W	MD	0.5 cfs	April 15 - October 15	Irrigation	P-13589
17121	6-8-56	City of Healdsburg	--	Russian River	NE	NE	16	9N	9W	MD	4.0 cfs		Municipal	P-11039
17145	6-21-56	Henderson Brothers	13N/11W-19G1	Russian River	SE	NE	19	13N	11W	MD	1.0 cfs	May 15 - October 1	Irrigation	Pending
17232	8-13-56	Willow County Water District	15N/12W-33E1	Russian River	SW	NW	33	15N	12W	MD	3.0 cfs	January 1 - December 31	Municipal	Pending
17237	8-14-56	Lewis M. and Cala Norton	9N/9W-7B1	Tributary to Dry Creek	NE	NE	7	9N	9W	MD	102 af	October 1 - June 1	Irrigation	P-10870
17240	8-15-56	Frank E. Reed	--	Tributary to Russian River	SE	NW	34	17N	12W	MD	0.25 cfs 5 af	May 1 - October 15 January 1 - May 1	Domestic and Irrigation	P-13018
17263	9-5-56	Joseph W. and Ada R. Salz	9N/9W-6D2	Tributary to Dry Creek	NW	NW	6	9N	9W	MD	20 af	October 1 - April 30	Irrigation	L-6147
17271	9-7-56	J. F. and Charles Guntley	16N/11W-18J1	Cold Creek	NE	SE	18	16N	11W	MD	0.33 cfs 1 af	May 1 - September 3 April 15 - May 1	Domestic, Irrigation and Stockwatering	P-13237
17312	10-4-56	Frank and William Lolonis	--	Tributary to Russian River	NE	NE	9	16N	12W	MD	1.25 cfs 90 af	May 1 - October 30 November 1 - April 30	Irrigation	P-13058
17366	11-19-56	John Hannason	--	Russian River	SW NW	NW SW	24 24	14N 14N	12W 12W	MD MD	0.25 cfs	May 1 - October 1	Irrigation	P-13416
17477	2-26-57	Louis and Edythe O. Boach	--	Tributary to Windsor Creek	SE	NE	9	8N	8W	MD	14 af	October 1 - May 31	Irrigation	P-10974
17479	2-26-57	W. S. Rulofson	--	Tributary to Mill Creek	NE	SW	27	9N	10W	MD	14 af	December 1 - May 1	Irrigation	L-5894
17508	3-14-57	Robert W. and Elizabeth J. Magruder	17N/11W-32K1 17N/11W-32Q1 16N/11W-5B2 16N/11W-5G1	East Fork Russian River	NW SE	SE NW	32 5	17N 16N	11W 11W	MD MD	0.5 cfs	May 1 - November 30	Irrigation	P-13150
17551	4-16-57	Therman and Elizabeth Nowe	9N/10W-1M1	Dry Creek	NE	SE	2	9N	10W	MD	0.45 cfs	June 1 - October 15	Irrigation	P-12519
17587	5-8-57	Millview County Water District	--	Russian River	NE	NE	5	15N	12W	MD	3.0 cfs	January 1 - December 31	Domestic and Municipal	Pending
17622	5-24-57	Adolph B. Wagner	14N/12W-9A1	Russian River	SE	SE	4	14N	12W	MD	0.6 cfs	May 15 - November 15	Irrigation	P-13407
17624	5-24-57	Herman W. Nelson	14N/12W-23H1	Russian River	SE	NE	23	14N	12W	MD	3.0 cfs	May 1 - October 30	Irrigation	Pending

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TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application number	Date filed	Present owner	D.W.R. diversion number	Source	Location of point of diversion						Amount	Period of diversion	Purpose	Status
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
17632	5-29-57	Sclarra Water Company	—	Russian River	SW SE	NW SE	23 15	9N 9N	9W 9W	MD MD	1.39 cfs	January 1 - December 31	Municipal	P-13059
17642	6-11-57	George Chalfant	15N/13W-15A1	Tributary to Orrs Creek	NE	NE	15	15N	13W	MD	0.2 cfs 10 af	June 1 - November 30 April 1 - May 31	Domestic, Stockwatering, Fire Protection and Irrigation	P-11407
17650	6-11-57	Christian Baar	—	Tributary to San Antonio Creek	NW	SE	15	4N	8W	MD	14 af	December 1 - April 1	Domestic, Recreational and Irrigation	L-6232
17663	6-18-57	Martin Witt	5N/8W-16Q1 5N/8W-16R1	Tributary to Stemple Creek	SW SE	SW SE	15 16	5N 5N	8W 8W	MD MD	89 af	November 1 - April 30	Stockwatering and Irrigation	P-11278
17670	6-21-57	Wilbur C. Larson	—	Tributary to San Antonio Creek	SW	SW	35	5N	8W	MD	7.5 af	November 1 - April 30	Domestic, Recreational and	P-11223
17674	6-26-57	John Pedroncelli	—	Tributary to Dry Creek	NE	NW	23	10N	10W	MD	2,600 gpd	June 1 - September 1	Irrigation	L-6415
17689	6-28-57	Bernard M. and Katherine Steindorf	—	Tributary to Dry Creek	SW	NE	26	10N	10W	MD	100 af	October 1 - May 31	Irrigation	P-11191
17717	7-12-57	George R. and Mildred Freund	6N/10W-12F1	Tributary to Salmon Creek	NW	NE	12	6N	10W	MD	86.5 af	October 1 - May 15	Irrigation	P-11149
17745	7-29-57	Steve J. and Winnifred Connolly	—	Tributary to Russian River	NE	SW	29	11N	10W	MD	5,000 gpd	January 1 - December 31	Domestic	L-6185
17795	8-22-57	Folded Hills Ranch	—	Tributary to Dry Creek	NW	SE	26	12N	12W	MD	0.38 cfs 35 af	May 15 - October 15 October 1 - May 31	Domestic, Stockwatering, Recreational and Irrigation	P-11387
17833	9-26-57	Dan Dele	—	Felta Creek	SW	SW	32	9N	9W	MD	5,760 gpd	April 15 - October 1	Domestic and Irrigation	L-6461
17848	10-15-57	Roland Matteri	5N/9W-3C1	Tributary to Estero Americano	NE	NE	3	5N	9W	MD	18 af	October 1 - May 1	Irrigation	P-11474
17864	10-28-47	Vernon O. Duvall	—	East Fork Russian River	SE	SE	33	16N	12W	MD	0.02 cfs	May 1 - October 31	Irrigation	P-13591
17868	10-31-57	Hummell and Salmen	—	Russian River	SE	SE	29	17N	12W	MD	0.31 cfs	May 15 - October 15	Irrigation	P-13060
17871	11-4-57	Gordon Leask	16N/11W-3C1	Tributary to East Fork Russian River	NE	NW	3	16N	11W	MD	13.5 af	November 1 - June 1	Stockwatering, Recreational and Wild Life Propagation	S-6301
17881	11-14-57	Estate of H. O. Cleland	17N/11W-32A2 17N/11W-32H1	East Fork Russian River	NE SE	NE NE	32 32	17N 17N	11W 11W	MD MD	1.76 cfs	June 1 - November 1	Irrigation	P-13073
17885	11-19-57	Alex Rorabaugh	13N/11W-29Q1	Russian River	SW	SE	29	13N	11W	MD	0.62 cfs	May 15 - October 1	Irrigation	Pending
17911	12-10-57	J. C. Kircher, Jr., and R. C. Kircher	14N/12W-10F1	Russian River	SW	SE	10	14N	12W	MD	1.8 cfs	May 1 - October 15	Irrigation	Pending
17919	12-18-57	George F. and Hazel N. Orr	6N/7W-21H1	Tributary to Crane Creek	SE	NE	21	6N	7W	MD	32 af	October 1 - July 31	Irrigation	P-11325
17920	12-18-57	David R. Burbank	—	Tributary to Stemple Creek	NE	NW	19	5N	9W	MD	2 af	November 1 - May 30	Stockwatering and Recreational	P-11533
17978	2-5-58	Dr. John R. Russel	—	Maacama Creek	NE NE	NW NW	20 20	9N 9N	8W 8W	MD MD	0.56 cfs	May 1 - October 15	Irrigation and Domestic	P-11664
17999	2-13-58	Homer and Gertrude Van Winkle	—	Tributary to Windsor Creek	SW	NE	7	8N	8W	MD	14 af	October 1 - May 31	Irrigation and Fish Culture	P-11419
18060	3-26-58	Eldred Earl and Frances Long Edwards	—	Tributary to Americano Creek	SW	SW	21	6N	9W	MD	1,440 gpd	March 1 - December 31	Irrigation and Domestic	L-6478
18093	4-11-58	John J. and Ivan J. Milovina	—	Russian River	SW	NE	18	13N	11W	MD	293 cfs	May 1 - October 1	Irrigation	Pending

For explanation of symbols, see last page of table.

TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application Number	Date Filed	Present Owner	DWR Diversion Number	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
18127	5-8-58	Guy and Endora N. Smith	—	Felta Creek	SE	SW	32	9N	9W	MD	3,500 gpd	March 1 - December 1	Irrigation and Recreational	P-11590
18138	5-16-58	Dorothy Z. Foote	—	Tributary to Kellog Creek	SE	SE	7	9N	7W	MD	195 af	October 1 - May 15	Irrigation	P-11637
18139	5-19-58	Esther V. Gower	—	Maacama Creek	SE	SW	17	9N	8W	MD	0.25 cfs	May 15 - October 15	Irrigation	P-12065
18192	6-23-58	Sidney and Dorothy Garfield	8N/8W-1N1	Tributary to Mark West Creek	SW	SW	1	8N	8W	MD	30 af	October 1 - May 31	Recreational	P-12220
18199	6-26-58	Joseph A. and Lena N. Lamalfa	[redacted]	Robinson Creek	NW	SW	4	14N	12W	MD	0.4 cfs	May 1 - July 31	Irrigation	Pending
18200	6-26-58	Joseph A. and Lena N. Lamalfa	—	Robinson Creek	NE	SE	4	14N	12W	MD	0.4 cfs	May 1 - September 30	Irrigation	Pending
18235	7-24-58	Beatrice Cornell Rinde	—	Tributary to Dry Creek	NE	NE	23	10N	10W	MD	14 af	October 15 - April 15	Domestic and Irrigation	P-11861
18240	7-30-58	R. O. and Anna L. Thomson	—	Tributary to Salmon Creek	NW	SE	2	6N	10W	MD	22 af	October 1 - May 31	Irrigation, Recreation, Stockwatering and Fish Culture	P-[redacted]
18241	7-30-58	Harry P. Meyer	—	Russian River	NE	NW	28	10N	9W	MD	0.12 cfs	April 15 - October 15	Irrigation	L-6342
18274	8-19-58	Everett Sprague	—	Tributary to Salt Hollow	SE	SE	10	16N	12W	MD	15 af	December 1 - May 15	Irrigation, Stockwatering and Domestic	P-12929
18277	8-21-58	William A. and Sybyl J. Blanchfield	—	Tributary to Santa Rose Creek	SW	SE	29	8N	6W	MD	27 af	November 1 - June 1	Irrigation, Recreational, and Stockwatering	P-11759
18328	9-22-58	Eugene L. DuBuque	—	Tributary to Russian River	NW	NW	5	16N	12W	MD	5 af	November 1 - July 1	Recreational	L-6488
18354	9-30-58	Cerithere and Cook	—	Gird Creek	SW	NW	23	10N	9W	MD	0.19 cfs 14 af	April 15 - October 15 December 1 - April 15	Irrigation and Stockwatering	P-13004
18403	11-12-58	Anita E. Bower	—	Russian River	NE	NW	35	8N	10W	MD	0.5 cfs	April 15 - October 15	Irrigation	P-13055
18419	11-28-58	John and Mary Palazzotto	—	Tributary to Russian River	NW NW SW	NW NW NW	2 2 2	11N 11N 11N	11W 11W 11W	MD MD MD	6,000 gpd	January 1 - December 31	Domestic and Recreational	P-13087
18481	1-19-59	Fred Sagehorn	—	Russian River	SE	NE	23	14N	12W	MD	0.5 cfs	January 1 - December 31	Irrigation and Stockwatering	Pending
18522	2-5-59	Robert E. Drew	—	Thomas Creek	SW	SW	7	[redacted]			23 af	November 1 - [redacted] 31	Irrigation and Recreational	P-11919
18648	4-17-59	Donald O. and Velma R. Nassis	—	Tributary to Russian River	NW	SE	7	17N	12W	MD	5 af	January 1 - December 31	Irrigation and [redacted]	P-13218
18649	4-17-59	Molalla Forest Products Company	—	Russian River	NE	NW	20	11N	10W	MD	2.0 cfs 6.9 af	January 1 - December 31	Industrial and Fire Prevention	Pending
18699	5-8-59	Althea L. Dubois	16N/11W-20L1	Tributary to Cold Creek	NW	SE	20	16N	11W	MD	0.13 cfs	March 1 - October 1	Stockwatering and Irrigation	Pending
18736	5-25-59	T. A. N. Elizabeth Graham	—	Tributary to Salmon Creek	NW	NW	35	7N	10W	MD	14 af	October 1 - May 31	Irrigation	P-12102
18825	6-24-59	Jack, Martin J., Sr., and Lillian J. Witt	—	Tributary to Laguna de Santa Rosa	NW	NE	8	6N	7W	MD	135 af	October 1 - April 1	Recreational and Irrigation	P-12164
18835	6-29-59	Leo Demostene	—	Tributary to Sauesal Creek	SW	NE	36	10N	9W	MD	14 af	October 15 - April 15	Recreational and Irrigation	P-12166
18849	7-9-59	J. N. and Mabel A. Salinger	8N/8W-34K1	Tributary to Mark West Creek	NW	SE	34	8N	8W	MD	34 af	October 1 - April 15	Recreational and [redacted]	P-12253

[redacted]

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application Number	Date Filed	Present Owner	DWR Diversion Number	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
18193	8-14-59	Stanley A. Weigel	—	Tributary to Russian River	SW	NW	32	10N	8W	MD	800 gpd 2.5 af	January 1 - June 1	Stockwatering and Irrigation	P-13074
18946	8-28-59	C. O. and Eldeva E. Spurgeon	9N/8W-28A1	Martin Creek	SE	NE	28	9N	8W	[illegible]	45 af	October 1 - April 30	Stockwatering, Fish Culture and Irrigation	P-12224
18958	9-2-59	George A. and Eleen M. [illegible]cholas	—	Tributary to Matanzas Creek	NW	NE	11	6N	7W	MD	15 af	October 1 - May 1	Stockwatering, Fish Culture	P-13180
19015	10-2-59	John M. and Charlotte M. Simpkin	—	Tributary to Go[illegible]age Creek	NE	SE	30	6N	8W	MD	20 af	January 1 - April 1	Irrigation	P-12238
19071	11-9-59	Ardie W. Phillips	—	East Fork Russian River	SW	NW	17	17N	11W	MD	0.32 cfs	April 15 - October 1	Irrigation	P-13451
19089	11-20-59	Lew W. Cook	—	Tributaries to Dry Creek	SW	NE	6	9N	9W	MD	90 af	October 15 - April 15	Domestic, Recreational, Stockwatering, Fish Culture and Irrigation	P-12382
19126	12-9-59	Paul W. and Pearl Pouloe	—	Tributary to Cold Creek	SW	NE	32	16N	11W	MD	0.15 cfs	April 1 - November 1	Domestic and Irrigation	P-13005
19140	12-18-59	Charles F. Laufenburg	—	Kelly Creek	SW	NE	19	9N	7W	MD	0.01 cfs	May 1 - November 1	Stockwatering	P-12453
19241	2-18-60	Edward Norton and J. V. Haigh	9N/9W-6L1	Tributary to Dry Creek	NE	SW	6	9N	9W	MD	36 af	October 15 - April 15	Recreation, Fish Culture and Irrigation	P-12415
19334	4-1-60	Domenico and Ines Pedrioli	—	Tributary to Russian River	NW	NW	29	17N	12W	MD	15 af	November 1 - June 1	Irrigation	P-12674
19339	4-4-60	Northern California Conference of Seventh Day Adventists	9N/9W-14D1	Russian River	NW	NW	14	9N	9W	MD	1 cfs	January 1 - December 31	Irrigation	P-13182
19351	4-12-60	Sonoma County Flood Control and Water Conservation District	—	Dry Creek and Russian River	NW	SW	18	10N	10W	MD	500 cfs	January 1 - December 31	Irrigation, Municipal, Recreational, etc.	[illegible]
19422	5-6-60	W. Barry Hill, et al.	7N/7W-23A1	Tributary to Santa Rosa Creek	NE	SE	23	7N	7W	MD	48 [illegible]	August 15 - December 1	Recreational, Stockwatering, Fish Culture and Irrigation	P-13017
19427	5-9-60	Marner F. Young	—	Tributary to Russian River	NE	NE	26	10N	9W	MD	15 af	October 1 - May 31	Stockwatering and Irrigation	P-12691
19444	5-23-60	Louis and Edythe Bosch	—	Pool Creek	SW	NE	9	8N	8W	MD	37 af	October 1 - May 31	Recreational, Fish Culture and Irrigation	P-12701
19470	6-2-60	Lester Mathanson, et al.	—	Tributary to Russian River	NE	SW	20	7N	11W	MD	0.035 cfs	January 1 - December 31	Domestic	P-12988
19471	6-2-60	Richard and Catherine Barrett	—	Tributary to Russian River	NW	SE	9	9N	9W	MD	15 af 0.1 cfs	October 1 - June 1	Domestic, Stockwatering and Irrigation	P-12762
19515	7-5-60	Thomas A. and M. Elizabeth Graham	—	Tributary to Salmon Creek	NW	NW	35	7N	10W	MD	46 af	October 1 - May 31	Recreational, Fish Culture and Irrigation	P-12781
19554	7-18-60	Camulos Land Company	—	Tributary to Wallace Creek	SE NW SE	SE NW SE	22 26 26	9N 9N 9N	10W 10W 10W	MD MD MD	12 af 0.1 cfs 22 af	January 1 - December [illegible]	Domestic, Recreational, Stockwatering, Fish Culture and Irrigation	P-12931 ...
19557	7-18-60	Harold Soderling	—	Tributary to Windsor Creek	NW	SW	6	8N	8N	MD	41 af	October 1 - May 31	Recreational, Fish Culture, and Irrigation	P-12767
19649	8-4-60	Cave Outlaw, et al.	—	Tributary to Dry Creek	SW	NE	15	10N	10W	MD	15 af	[illegible] 1 - May 31	Recreational and Irrigation	P-12837
19652	8-9-60	Roy S. E. Button	—	West Fork Go[illegible]age Creek	NE	SE	31	6N	8W	MD	20 af	October 15 - June 1	Recreational, Fish Culture and Irrigation	P-12844
19740	8-30-60	E. M. Berol	—	Tributary to Dry Creek	NE	SE	30	9N	9W	MD	[illegible]6 af	October 1 - May 1	Stockwatering and Irrigation	P-12927
19798	10-4-60	Lynn and Kathryn Crepashettes	—	Tributary to Windsor Creek	SE	SW	24	8N	9W	MD	16 af	October 1 - May 31	Recreational, Fish Culture and Irrigation	P-12995

TABLE C-1 (Continued)
APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board, as of July 11, 1962)

Application Number	Date Filed	Present Owner	DWR Diversion Number	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
19799	10-4-60	Henry A. and Margaret Maghetti	—	Tributary to Windsor Creek	SE	SE	1	8N	9W	MD	8 af	October 1 - May 31	Irrigation	P-13041
19806	10-7-60	Francea F. Sielsen	—	Tributary to Santa Rosa Creek	NE	NW	11	7N	8W	MD	23 af	October 1 - May 31	Recreational, Fish Culture and Irrigatinn	P-13042
19891	12-27-60	Calla O. Rowan	—	Tributary to Pool Creek	NW	SE	8	8N	8W	MD	15 af	October 1 - May 31	Recreational and Irrigation	P-13102
19921	1-17-61	Warren B. Hayward	—	Tribntary to Franz Creek	NW	NW	33	9N	7W	MD	7 af	November 1 - May 31	Irrigation, etc.	P-13188
20005	2-23-61	J. C. Thompson	—	Dry Creek	SE	NE	32	9N	9W	MD	6,463 gpd	January 1 - December 31	Domestic and Industrial	P-13408
20012	3-1-61	Kim and Jean Warburton	—	Matanzas Creek	NE	NE	5	6N	7W	MD	0.25 cfs	April 1 - December 31	Domestic, Stockwatering and Irrigation	P-13409
20015	3-2-61	Albert E. Borgwardt	—	Tributary to Dry Creek	SE	NE	6	9N	9W	MD	5.6 af	October 1 - May 31	Recreational, Fish Culture and Stockwatering	P-13095
20064	4-3-61	Leo Frediani	—	Seven Oaks Creek	SW	NW	23	10N	11W	MD	5 af	October 1 - May 31	Recraational, Fish Culture and Irrigation	P-13168
20071	4-6-61	E. A. Schlueter	—	Tributary to Pool Creek	NW	NW	8	8N	8W	MD	14 af	October 1 - May 1	Recreational and Irrigation	P-13431
20078	4-10-61	George Grecott	8N/8W-6R1	Tributary to Pool Creek	NE	NE	7	8N	8W	MD	13 af	October 1 - May 1	Irrigation	P-13164
20100	4-24-61	Alexander and Ruth W. Budge	—	Tributary to Russian River	NW	NW	10	9N	9W	MD	100 af	October 1 - May 31	Recreational, Fish Culture and Irrigetion	P-13339
20114	5-8-61	Alfred Schofield	—	Kell[illegible]	NE	NE	14	9N	10W	MD	7 af	October 1 - May 31	Recreational, Fish Culture and Stockwatering	Pending
20118	5/9/61	Jay Hassett	—	Tributary to Dry Creek	SE	SW	8	9N	9W	MD	12 af	October 1 - May 31	Recreational, Fish Culture and Irrigation	Incomplete
20127	5/12/61	Peter and Anne J. Basich	—	Tributary to Rincon Creek	SW	SE	25	8N	8W	MD	15 af	October 1 - May 31	Irrigation	P-13340
20129	5/15/61	Richard Privat	—	Tributary to Dry Creek	NE	[illegible]	15	10N	10W	MD	10.5 af	October 1 - May 1	Recreation, Fish Culture	P-13144
20130	5/15/61	Paul A. Mariani, Jr.	—	Tributary to Russian River	NW	NW	17	8N	9W	MD	150 af	October 1 - May 31	Recreation, Fish Culture and Irrigation	P-13364
20134	5/17/61	Christian and Missionary Alliance	—	Tributary to Dutch Bill Creek	SE	SW	21	[illegible]	[illegible]	[illegible]	[illegible] cfs	January 1 - December 31	Domestic and Fire Protection	P-13510
20147	5/25/61	Elmoe Martini	—	Tributary to Laguna de Santa Rosa	SW	SE	9	7N	9W	MD	6 af	October 15 - May 15	Recreation, Fish Culture and Irrigation	P-13433
20261	6/13-61	Edward F. and Camilla C. Morhardt	—	Tributary to Ward Creek	NW	NE	7	8N	11W	MD	9.6 af	October 15 - May 31	Recreational, Fish Culture and Stockwatering	Pending
20264	6/14-61	C. N. and H. L. Bacigalupi	—	Tributary to Russian River	NE	SE	5	8N	9W	MD	10 af	October 1 - May 31	Stockwatering, Fish Culture and Irrigation	P-13196
20333	7/31-61	Dwight M. Cochran	—	Tributary to Bidwell Creek	NW	NW	19	9N	7W	MD	16 af	October 1 - June 1	Stockwatering and Irrigation	P-13398
20341	8-7-61	Stanley O. and Alta L. Arata	—	Tributary to Mill Creek	NE	NW	31	9N	9W	MD	9 af	October 1 - May 31	Recreational, Fish Culture, Domestic and Irrigation	P-13402
20373	8/30/61	H. C. Brown and Louie LaFlame	—	Porter Creek	SW	SE	10	8N	10W	MD	0.25 cfs	May 1 - October 31	Recreational, Stockwatering and Irrigation	Pending
20384	9-7-61	Lumberman's Leaning Company	—	Tributary to Windsor Creek	NE	SW	6	8N	10W	MD	12 af	October 1 - May 31	Recreational, Fish Culture, Stockwatering, Domestic and Irrigation	P-13404
20385	9-7-61	Lewis L. and Dolores L. Martioelli	—	Tributary to Russian River	SW	NE	28	17N	12W	MD	8 af	October 1 - [illegible]	Irrigation	P-13429

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN

RUSSIAN RIVER HYDROGRAPHIC UNIT

(Filed with State Water Rights Board as of July 11, 1962)

Application Number	Date Filed	Present Owner	DWR Diversion Number	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec.	Tp.	R.	B. & M.				
20401	9-19-61	Alice Brooks	—	Tributary to Windsor Creek	NE	NW	31	9N	8W	MD	6.8 af	October 1 - May 31	Recreational, Fish Culture and Stockwatering	P-13425
20435	10-13-61	F. W. and Margarett Barlett	—	Tributary to Mark West Creek	NE	NW	25	8N	8W	MD	5 af	October 1 - May 31	Recreational, Fish Culture and Stockwatering	P-13512
20436	10-16-61	Clement F. and Clement E. Vanoni	—	Tributary to Russian River	SW NE	NW NE	1 2	10N 10N	10W 10W	MD MD	140 af 23 af	October 1 - May 31	Domestic and Irrigation, etc.	Incomplete
20491	11-10-61	Russell D. and Stanley W. Denner	7N/9W-10B1	Laguna de Santa Rosa	SE	NE	10	7N	9W	MD	0.92 cfs	June 1 - October 15	Stockwatering and Irrigation	Pending
20493	11-14-61	James A. Grant	—	Tributary to Dry Creek	SE	NW	13	9N	10W	MD	19.7 af	October 1 - May 31	Recreational and Irrigation	Pending
20509	11-27-61	Robert M. Refrem	—	Tributary to Windsor Creek	SE	SW	6	8N	8W	MD	110 af	October 1 - May 31	Recreational and Irrigation	Pending
20525	12-15-61	Estate of Charles H. Johnstone	—	South Fork Matanzas Creek	SE	NW	14	6N	7W	MD	15 af	October 1 - May 1	Recreational, Fish Culture and Irrigation	Pending
20530	12-19-61	California Water Commission	—	Dry Creek	NW NW SE	NE NE NE	18 18 33	10N 10N 9N	10W 10W 9W	MD MD MD	277,000 af 500 cfs	January 1 - December 31	Stockwatering, Irrigation and other uses	Incomplete
20540	12-27-61	G. Everett and Adell Dutton	—	Russian River	NW SW NE	NE SW SE	23 14 15	14N 14N 14N	12W 12W 12W	MD MD MD	3.0 cfs	January 1 - December 31	Stockwatering and Irrigation	Pending
20541	12-27-61	G. Everett and Adell Dutton	14N/12W-14M	Russian River	NW SW	NE SW	23 14	14N 14N	12W 12W	MD MD	0.4 cfs	January 1 - December 31	Domestic, Stockwatering and Irrigation	Pending
20557	1-15-62	George E. and Marjorie Pannett	—	Tributary to Russian River	SE	NE	2	8N	9W	MD	49 af	October 1 - May 1	Recreational, Fish Culture and Irr[illegible]	P-13615
20582	2-1-62	Hollie M. Black	—	Tributary to North Fork Little Sulphur	NE	NW	21	11N	9W	MD	10 af	October 1 - May 1	Recreational, Fish Culture and Stockwatering	Pending
20583	2-1-62	Gerold F. and Margaret O. Miller	—	Tributary to Dry Creek	SE	SW	29	9N	9W	MD	10 af	October 1 - March 30	Domestic and Irrigation	Pending
20612	2-14-62	California Division of Beaches and Parks	—	Tributary to Redwood Creek	SW	SW	8	8N	10W	MD	0.155 cfs	January 1 - December 31	Domestic and Irrigation	Pending
20618	2-16-62	Charles and Elizabeth L. Klebree	—	Tributary to Windsor Creek	NE	NE	12	8N	9W	MD	31 af	October 1 - May 1	Recreational and Irrigation	Pending
20623	2-21-62	Edward Prati	—	Russian River	SW	NE	8	15N	12W	MD	0.95 cfs	June 1 - August 31	Irrigation	Incomplete
20624	2-21-62	Edward Prati	10N/10W-11G1	Russian River	NW	NE	11	10N	10W	MD	0.8 cfs	June 1 - August 31	Irrigation	Incomplete
20634	3-2-62	Alden C. Morse	—	Tributary to Windsor Creek	SW	SW	32	9N	8W	MD	15 af	October 1 - May 1	Recreational, Fish Culture and Irrigation	Pending
20650	3-9-62	Joseph Trentadue	—	Tributary to Dry Creek	SE	SE	22	10N	10W	MD	10 af	October 1 - May 1	Recreational, Fish Culture and Stockwatering	Pending
20657	3-16-62	Barre Brothers	—	Tributary to Russian River	NW	SW	28	17N	12W	MD	35 af	November 1 - April 15	Irrigation	Incomplete
20662	3-20-62	Joseph and Lena Lamalfa	—	Russian River	NW	NW	10	14N	12W	MD	0.6	May 1 - October 1	Irrigation	Pending
20720	4-12-62	Riverside Properties, Inc.	—	Tributary to Little Sulphur Creek	SW	NW	29	11N	9W	MD	16 af	October 1 - May 1	Recreational, Fish Culture and Stockwatering	Pending
20728	4-19-62	Charles W. Kreck	—	Tributary to Mill Creek	NW	SW	31	9N	9W	MD	18 af	October 1 - May 1	Recreational, Fish Culture and Stockwatering	Pending
20733	4-23-62	Arthur J. Dahlgren	—	Tributary to Mill Creek	SE	NW	30	9N	9W	MD	16 af	October 1 - May 1	Recreational, Fish Culture and Irrigation	Incomplete

FOR EXPLANATION OF STATUS AND PROTESTS SEE LAST PAGE OF TABLE

TABLE C-1 (Continued)

APPLICATIONS TO APPROPRIATE WATER IN
RUSSIAN RIVER HYOROGRAPHIC UNIT

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Application Number	Date Filed	Present Owner	DWR Diversion Number	Source	Location of Point of Diversion						Amount	Period of Diversion	Purpose	Status*
					1/4	1/4	Sec	Tp.	R.	B. & M				
20764	5-2-62	Lumberman's Leasing Company	--	East Austin Creek	SW	SW	2	8N	11W	MD	2.63 cfs 36.267 af	October 1 - May 1	Recreational, Fish Culture and Domestic	Pending
20769	5-4-62	Horace H. Bloom	--	Tributary to Russian River	NE	NW	8	8N	9W	MD	28 af	October 1 - May 1	Recreational, Fish Culture and Irrigation	Incomplete
20788	5-23-62	Fabian F. Soukup	--	Tributary to Russian River	NE	NE	5	8N	9W	MD	48.7 af	October 1 - May 30	Recreational, Fish Culture, Domestic and Irrigation	Incomplete
20791	5-24-62	J. R. and Ardella Stafford	--	Tributary to Russian River	NW	SW	3	16N	12W	MD	12 af	October 1 - March 1	Domestic and Irrigation	Incomplete
20797	5-31-62	Clyde Stallinga	--	Tributary to Dry Creek	SW	SW	5	9N	9W	MD	17 af	October 1 - May 1	Recreational, Fish Culture and Irrigation	Incomplete
20798	5-31-62	Lewis Giovannini	--	Tributary to Green Valley Creek	NE	NE	14	7N	10W	MD	30 af	October 15 - May 30	Recreational and Irrigation	Incomplete
20813	6-11-62	George E. and Dorothy H. VanBebber	--	Davis Creek	NE	SE	28	12N	10W	MD	38 af	October 1 - July 1	Recreational and Irrigation	Incomplete
20825	6-21-62	George F. and Hazel H. Orr	6N/7W-21N1	Tributary to Laguna de Santa Rosa	NE	NE	21	6N	7W	MD	32 af	October 1 - July 31	Stockwatering, Fire Protection, and Irrigation	Incomplete
20846	7-6-62	Alex and Audrey Rorabaugh	--	Tributary to Russian River	SW	NW	32	13N	11W	MD	45 af	November 1 - June 1	Recreational, Stockwatering and Irrigation	Incomplete

* P - Indicates permit number of application approved. L - Indicates license number of right confirmed. Incomplete - Indicates application not yet complete. Pending - Indicates application complete but not yet approved.